

Appendix B-4. UMW-3 Water Level Data, Moore Ranch Supplemental Pump Testing

Date	Time	Elapsed Time Minutes	SN#: 106109 PSI	SN#: 106109 Temp - C	SN#: 106109 DTW (ft btoc)	TOC Elev	Corrected DTW	Corrected GW Elev
						5429.000 GW Elevation		
8/16/09	19:37:58	3295	0.779	10.451	230.112	5198.888	228.652	5200.348
8/16/09	19:42:58	3300	0.778	10.454	230.114	5198.886	228.654	5200.346
8/16/09	19:47:58	3305	0.778	10.453	230.114	5198.886	228.654	5200.346
8/16/09	19:52:58	3310	0.779	10.453	230.112	5198.888	228.652	5200.348
8/16/09	19:57:58	3315	0.781	10.453	230.108	5198.892	228.648	5200.352
8/16/09	20:02:58	3320	0.779	10.452	230.112	5198.888	228.652	5200.348
8/16/09	20:07:58	3325	0.778	10.451	230.114	5198.886	228.654	5200.346
8/16/09	20:12:58	3330	0.779	10.455	230.113	5198.887	228.653	5200.347
8/16/09	20:17:58	3335	0.779	10.455	230.113	5198.887	228.653	5200.347
8/16/09	20:22:58	3340	0.776	10.453	230.119	5198.881	228.659	5200.341
8/16/09	20:27:58	3345	0.777	10.455	230.119	5198.881	228.659	5200.341
8/16/09	20:32:58	3350	0.777	10.456	230.118	5198.882	228.658	5200.342
8/16/09	20:37:58	3355	0.776	10.455	230.121	5198.879	228.661	5200.339
8/16/09	20:42:58	3360	0.773	10.456	230.127	5198.873	228.667	5200.333
8/16/09	20:47:58	3365	0.772	10.458	230.129	5198.871	228.669	5200.331
8/16/09	20:52:58	3370	0.774	10.455	230.126	5198.874	228.666	5200.334
8/16/09	20:57:58	3375	0.772	10.453	230.129	5198.871	228.669	5200.331
8/16/09	21:02:58	3380	0.773	10.455	230.128	5198.872	228.668	5200.332
8/16/09	21:07:58	3385	0.772	10.455	230.129	5198.871	228.669	5200.331
8/16/09	21:12:58	3390	0.773	10.454	230.128	5198.872	228.668	5200.332
8/16/09	21:17:58	3395	0.773	10.457	230.127	5198.873	228.667	5200.333
8/16/09	21:22:58	3400	0.774	10.455	230.124	5198.876	228.664	5200.336
8/16/09	21:27:58	3405	0.774	10.458	230.124	5198.876	228.664	5200.336
8/16/09	21:32:58	3410	0.775	10.454	230.123	5198.877	228.663	5200.337
8/16/09	21:37:58	3415	0.773	10.456	230.127	5198.873	228.667	5200.333
8/16/09	21:42:58	3420	0.771	10.454	230.130	5198.870	228.670	5200.330
8/16/09	21:47:58	3425	0.772	10.455	230.128	5198.872	228.668	5200.332
8/16/09	21:52:58	3430	0.771	10.454	230.131	5198.869	228.671	5200.329
8/16/09	21:57:58	3435	0.771	10.456	230.130	5198.870	228.670	5200.330
8/16/09	22:02:58	3440	0.770	10.455	230.134	5198.866	228.674	5200.326
8/16/09	22:07:58	3445	0.769	10.454	230.136	5198.864	228.676	5200.324
8/16/09	22:12:58	3450	0.769	10.455	230.136	5198.864	228.676	5200.324
8/16/09	22:17:58	3455	0.769	10.454	230.136	5198.864	228.676	5200.324
8/16/09	22:22:58	3460	0.768	10.454	230.138	5198.862	228.678	5200.322
8/16/09	22:27:58	3465	0.767	10.455	230.140	5198.860	228.680	5200.320
8/16/09	22:32:58	3470	0.764	10.454	230.148	5198.852	228.688	5200.312
8/16/09	22:37:58	3475	0.764	10.455	230.148	5198.852	228.688	5200.312
8/16/09	22:42:58	3480	0.763	10.455	230.150	5198.850	228.690	5200.310
8/16/09	22:47:58	3485	0.761	10.454	230.154	5198.846	228.694	5200.306
8/16/09	22:52:58	3490	0.760	10.457	230.156	5198.844	228.696	5200.304
8/16/09	22:57:58	3495	0.760	10.453	230.158	5198.842	228.698	5200.302
8/16/09	23:02:58	3500	0.758	10.453	230.160	5198.840	228.700	5200.300
8/16/09	23:07:58	3505	0.758	10.451	230.162	5198.838	228.702	5200.298
8/16/09	23:12:58	3510	0.755	10.453	230.168	5198.832	228.708	5200.292
8/16/09	23:17:58	3515	0.755	10.452	230.168	5198.832	228.708	5200.292
8/16/09	23:22:58	3520	0.754	10.454	230.170	5198.830	228.710	5200.290
8/16/09	23:27:58	3525	0.753	10.458	230.173	5198.827	228.713	5200.287
8/16/09	23:32:58	3530	0.752	10.457	230.176	5198.824	228.716	5200.284
8/16/09	23:37:58	3535	0.751	10.456	230.177	5198.823	228.717	5200.283
8/16/09	23:42:58	3540	0.750	10.455	230.179	5198.821	228.719	5200.281
8/16/09	23:47:58	3545	0.750	10.456	230.180	5198.820	228.720	5200.280
8/16/09	23:52:58	3550	0.749	10.454	230.183	5198.817	228.723	5200.277

Appendix B-4. UMW-3 Water Level Data, Moore Ranch Supplemental Pump Testing

Date	Time	Elapsed Time Minutes	SN#: 106109 PSI	SN#: 106109 Temp - C	SN#: 106109 DTW (ft btoc)	TOC Elev	Corrected DTW	Corrected GW Elev
						5429.000 GW Elevation		
8/16/09	23:57:58	3555	0.747	10.455	230.188	5198.812	228.728	5200.272
8/17/09	0:02:58	3560	0.745	10.453	230.191	5198.809	228.731	5200.269
8/17/09	0:07:58	3565	0.744	10.456	230.194	5198.806	228.734	5200.266
8/17/09	0:12:58	3570	0.743	10.455	230.196	5198.804	228.736	5200.264
8/17/09	0:17:58	3575	0.740	10.457	230.202	5198.798	228.742	5200.258
8/17/09	0:22:58	3580	0.741	10.456	230.201	5198.799	228.741	5200.259
8/17/09	0:27:58	3585	0.737	10.455	230.211	5198.789	228.751	5200.249
8/17/09	0:32:58	3590	0.738	10.455	230.208	5198.792	228.748	5200.252
8/17/09	0:37:58	3595	0.737	10.454	230.209	5198.791	228.749	5200.251
8/17/09	0:42:58	3600	0.735	10.456	230.215	5198.785	228.755	5200.245
8/17/09	0:47:58	3605	0.734	10.456	230.216	5198.784	228.756	5200.244
8/17/09	0:52:58	3610	0.732	10.456	230.221	5198.779	228.761	5200.239
8/17/09	0:57:58	3615	0.731	10.454	230.224	5198.776	228.764	5200.236
8/17/09	1:02:58	3620	0.728	10.453	230.230	5198.770	228.770	5200.230
8/17/09	1:07:58	3625	0.726	10.454	230.236	5198.764	228.776	5200.224
8/17/09	1:12:58	3630	0.724	10.456	230.239	5198.761	228.779	5200.221
8/17/09	1:17:58	3635	0.722	10.454	230.245	5198.755	228.785	5200.215
8/17/09	1:22:58	3640	0.721	10.454	230.246	5198.754	228.786	5200.214
8/17/09	1:27:58	3645	0.719	10.457	230.252	5198.748	228.792	5200.208
8/17/09	1:32:58	3650	0.716	10.454	230.258	5198.742	228.798	5200.202
8/17/09	1:37:58	3655	0.714	10.454	230.262	5198.738	228.802	5200.198
8/17/09	1:42:58	3660	0.712	10.455	230.268	5198.732	228.808	5200.192
8/17/09	1:47:58	3665	0.710	10.454	230.271	5198.729	228.811	5200.189
8/17/09	1:52:58	3670	0.706	10.454	230.281	5198.719	228.821	5200.179
8/17/09	1:57:58	3675	0.705	10.454	230.283	5198.717	228.823	5200.177
8/17/09	2:02:58	3680	0.704	10.456	230.285	5198.715	228.825	5200.175
8/17/09	2:07:58	3685	0.703	10.454	230.289	5198.711	228.829	5200.171
8/17/09	2:12:58	3690	0.700	10.454	230.295	5198.705	228.835	5200.165
8/17/09	2:17:58	3695	0.702	10.454	230.291	5198.709	228.831	5200.169
8/17/09	2:22:58	3700	0.698	10.454	230.299	5198.701	228.839	5200.161
8/17/09	2:27:58	3705	0.698	10.454	230.301	5198.699	228.841	5200.159
8/17/09	2:32:58	3710	0.696	10.457	230.306	5198.694	228.846	5200.154
8/17/09	2:37:58	3715	0.695	10.454	230.307	5198.693	228.847	5200.153
8/17/09	2:42:58	3720	0.694	10.455	230.309	5198.691	228.849	5200.151
8/17/09	2:47:58	3725	0.693	10.454	230.311	5198.689	228.851	5200.149
8/17/09	2:52:58	3730	0.692	10.454	230.313	5198.687	228.853	5200.147
8/17/09	2:57:58	3735	0.691	10.454	230.316	5198.684	228.856	5200.144
8/17/09	3:02:58	3740	0.691	10.454	230.317	5198.683	228.857	5200.143
8/17/09	3:07:58	3745	0.691	10.454	230.317	5198.683	228.857	5200.143
8/17/09	3:12:58	3750	0.690	10.454	230.320	5198.680	228.860	5200.140
8/17/09	3:17:58	3755	0.689	10.454	230.320	5198.680	228.860	5200.140
8/17/09	3:22:58	3760	0.688	10.454	230.322	5198.678	228.862	5200.138
8/17/09	3:27:58	3765	0.688	10.455	230.324	5198.676	228.864	5200.136
8/17/09	3:32:58	3770	0.686	10.454	230.328	5198.672	228.868	5200.132
8/17/09	3:37:58	3775	0.686	10.451	230.328	5198.672	228.868	5200.132
8/17/09	3:42:58	3780	0.686	10.456	230.328	5198.672	228.868	5200.132
8/17/09	3:47:58	3785	0.685	10.455	230.331	5198.669	228.871	5200.129
8/17/09	3:52:58	3790	0.684	10.454	230.333	5198.667	228.873	5200.127
8/17/09	3:57:58	3795	0.682	10.454	230.337	5198.663	228.877	5200.123
8/17/09	4:02:58	3800	0.683	10.454	230.336	5198.664	228.876	5200.124
8/17/09	4:07:58	3805	0.682	10.454	230.337	5198.663	228.877	5200.123
8/17/09	4:12:58	3810	0.681	10.452	230.340	5198.660	228.880	5200.120

Appendix B-4. UMW-3 Water Level Data, Moore Ranch Supplemental Pump Testing

Date	Time	Elapsed Time Minutes	SN#: 106109 PSI	SN#: 106109 Temp - C	SN#: 106109 DTW (ft btoc)	TOC Elev	Corrected DTW	Corrected GW Elev
						5429.000 GW Elevation		
8/17/09	4:17:58	3815	0.681	10.453	230.338	5198.662	228.878	5200.122
8/17/09	4:22:58	3820	0.680	10.452	230.342	5198.658	228.882	5200.118
8/17/09	4:27:58	3825	0.680	10.454	230.341	5198.659	228.881	5200.119
8/17/09	4:32:58	3830	0.678	10.454	230.346	5198.654	228.886	5200.114
8/17/09	4:37:58	3835	0.677	10.453	230.347	5198.653	228.887	5200.113
8/17/09	4:42:58	3840	0.678	10.455	230.347	5198.653	228.887	5200.113
8/17/09	4:47:58	3845	0.674	10.452	230.355	5198.645	228.895	5200.105
8/17/09	4:52:58	3850	0.674	10.452	230.355	5198.645	228.895	5200.105
8/17/09	4:57:58	3855	0.672	10.455	230.361	5198.639	228.901	5200.099
8/17/09	5:02:58	3860	0.673	10.454	230.357	5198.643	228.897	5200.103
8/17/09	5:07:58	3865	0.671	10.453	230.362	5198.638	228.902	5200.098
8/17/09	5:12:58	3870	0.670	10.454	230.365	5198.635	228.905	5200.095
8/17/09	5:17:58	3875	0.670	10.454	230.366	5198.634	228.906	5200.094
8/17/09	5:22:58	3880	0.668	10.451	230.370	5198.630	228.910	5200.090
8/17/09	5:27:58	3885	0.668	10.454	230.369	5198.631	228.909	5200.091
8/17/09	5:32:58	3890	0.666	10.453	230.373	5198.627	228.913	5200.087
8/17/09	5:37:58	3895	0.666	10.453	230.374	5198.626	228.914	5200.086
8/17/09	5:42:58	3900	0.665	10.454	230.376	5198.624	228.916	5200.084
8/17/09	5:47:58	3905	0.667	10.454	230.372	5198.628	228.912	5200.088
8/17/09	5:52:58	3910	0.665	10.455	230.376	5198.624	228.916	5200.084
8/17/09	5:57:58	3915	0.664	10.454	230.379	5198.621	228.919	5200.081
8/17/09	6:02:58	3920	0.667	10.450	230.372	5198.628	228.912	5200.088
8/17/09	6:07:58	3925	0.667	10.453	230.372	5198.628	228.912	5200.088
8/17/09	6:12:58	3930	0.666	10.452	230.374	5198.626	228.914	5200.086
8/17/09	6:17:58	3935	0.666	10.451	230.374	5198.626	228.914	5200.086
8/17/09	6:22:58	3940	0.663	10.450	230.381	5198.619	228.921	5200.079
8/17/09	6:27:58	3945	0.663	10.453	230.381	5198.619	228.921	5200.079
8/17/09	6:32:58	3950	0.662	10.453	230.384	5198.616	228.924	5200.076
8/17/09	6:37:58	3955	0.660	10.455	230.389	5198.611	228.929	5200.071
8/17/09	6:42:58	3960	0.657	10.449	230.395	5198.605	228.935	5200.065
8/17/09	6:47:58	3965	0.656	10.454	230.397	5198.603	228.937	5200.063
8/17/09	6:52:58	3970	0.654	10.451	230.401	5198.599	228.941	5200.059
8/17/09	6:57:58	3975	0.653	10.454	230.404	5198.596	228.944	5200.056
8/17/09	7:02:58	3980	0.654	10.451	230.402	5198.598	228.942	5200.058
8/17/09	7:07:58	3985	0.652	10.455	230.406	5198.594	228.946	5200.054
8/17/09	7:12:58	3990	0.651	10.453	230.408	5198.592	228.948	5200.052
8/17/09	7:17:58	3995	0.650	10.454	230.411	5198.589	228.951	5200.049
8/17/09	7:22:58	4000	0.648	10.454	230.416	5198.584	228.956	5200.044
8/17/09	7:27:58	4005	0.647	10.452	230.418	5198.582	228.958	5200.042
8/17/09	7:32:58	4010	0.646	10.454	230.420	5198.580	228.960	5200.040
8/17/09	7:37:58	4015	0.646	10.451	230.419	5198.581	228.959	5200.041
8/17/09	7:42:58	4020	0.643	10.453	230.427	5198.573	228.967	5200.033
8/17/09	7:47:58	4025	0.643	10.453	230.428	5198.572	228.968	5200.032
8/17/09	7:52:58	4030	0.641	10.453	230.432	5198.568	228.972	5200.028
8/17/09	7:57:58	4035	0.639	10.452	230.436	5198.564	228.976	5200.024
8/17/09	8:02:58	4040	0.639	10.451	230.436	5198.564	228.976	5200.024
8/17/09	8:07:58	4045	0.637	10.455	230.440	5198.560	228.980	5200.020
8/17/09	8:12:58	4050	0.636	10.455	230.443	5198.557	228.983	5200.017
8/17/09	8:17:58	4055	0.636	10.454	230.444	5198.556	228.984	5200.016
8/17/09	8:22:58	4060	0.635	10.452	230.446	5198.554	228.986	5200.014
8/17/09	8:27:58	4065	0.630	10.453	230.456	5198.544	228.996	5200.004
8/17/09	8:32:58	4070	0.630	10.452	230.456	5198.544	228.996	5200.004

Appendix B-4. UMW-3 Water Level Data, Moore Ranch Supplemental Pump Testing

Date	Time	Elapsed Time Minutes	SN#: 106109 PSI	SN#: 106109 Temp - C	SN#: 106109 DTW (ft btoc)	TOC Elev	Corrected DTW	Corrected GW Elev
						5429.000 GW Elevation		
8/17/09	8:37:58	4075	0.630	10.452	230.458	5198.542	228.998	5200.002
8/17/09	8:42:58	4080	0.629	10.453	230.459	5198.541	228.999	5200.001
8/17/09	8:47:58	4085	0.629	10.453	230.460	5198.540	229.000	5200.000
8/17/09	8:52:58	4090	0.628	10.451	230.462	5198.538	229.002	5199.998
8/17/09	8:57:58	4095	0.628	10.450	230.463	5198.537	229.003	5199.997
8/17/09	9:02:58	4100	0.624	10.448	230.472	5198.528	229.012	5199.988
8/17/09	9:07:58	4105	0.625	10.451	230.469	5198.531	229.009	5199.991
8/17/09	9:12:58	4110	0.623	10.451	230.473	5198.527	229.013	5199.987
8/17/09	9:17:58	4115	0.623	10.451	230.474	5198.526	229.014	5199.986
8/17/09	9:22:58	4120	0.623	10.449	230.474	5198.526	229.014	5199.986
8/17/09	9:27:58	4125	0.621	10.449	230.477	5198.523	229.017	5199.983
8/17/09	9:32:58	4130	0.619	10.450	230.482	5198.518	229.022	5199.978
8/17/09	9:37:58	4135	0.620	10.450	230.480	5198.520	229.020	5199.980
8/17/09	9:42:58	4140	0.617	10.451	230.487	5198.513	229.027	5199.973
8/17/09	9:47:58	4145	0.616	10.450	230.489	5198.511	229.029	5199.971
8/17/09	9:52:58	4150	0.616	10.450	230.489	5198.511	229.029	5199.971
8/17/09	9:57:58	4155	0.612	10.449	230.498	5198.502	229.038	5199.962
8/17/09	10:02:58	4160	0.611	10.450	230.500	5198.500	229.040	5199.960
8/17/09	10:07:58	4165	0.611	10.451	230.501	5198.499	229.041	5199.959
8/17/09	10:12:58	4170	0.606	10.451	230.512	5198.488	229.052	5199.948
8/17/09	10:17:58	4175	0.606	10.451	230.512	5198.488	229.052	5199.948
8/17/09	10:22:58	4180	0.603	10.452	230.519	5198.481	229.059	5199.941
8/17/09	10:27:58	4185	0.600	10.451	230.526	5198.474	229.066	5199.934
8/17/09	10:32:58	4190	0.601	10.453	230.524	5198.476	229.064	5199.936
8/17/09	10:37:58	4195	0.599	10.452	230.528	5198.472	229.068	5199.932
8/17/09	10:42:58	4200	0.597	10.451	230.534	5198.466	229.074	5199.926
8/17/09	10:47:58	4205	0.596	10.450	230.535	5198.465	229.075	5199.925
8/17/09	10:52:58	4210	0.593	10.452	230.541	5198.459	229.081	5199.919
8/17/09	10:57:58	4215	0.592	10.452	230.544	5198.456	229.084	5199.916
8/17/09	11:02:58	4220	0.590	10.453	230.549	5198.451	229.089	5199.911
8/17/09	11:07:58	4225	0.588	10.455	230.553	5198.447	229.093	5199.907
8/17/09	11:12:58	4230	0.586	10.454	230.558	5198.442	229.098	5199.902
8/17/09	11:17:58	4235	0.586	10.452	230.560	5198.440	229.100	5199.900
8/17/09	11:22:58	4240	0.583	10.453	230.565	5198.435	229.105	5199.895
8/17/09	11:27:58	4245	0.580	10.454	230.571	5198.429	229.111	5199.889
8/17/09	11:32:58	4250	0.577	10.452	230.579	5198.421	229.119	5199.881
8/17/09	11:37:58	4255	0.577	10.455	230.580	5198.420	229.120	5199.880
8/17/09	11:42:58	4260	0.575	10.451	230.585	5198.415	229.125	5199.875
8/17/09	11:47:58	4265	0.573	10.453	230.589	5198.411	229.129	5199.871

APPENDIX B-5
UMW-11 WATER LEVEL DATA

Appendix B-5. UMW-11 Water Level Data, Moore Ranch Supplemental Pump Testing

Date	Time	Elapsed Minutes	Tin PSI	SN#: 1377 Temp - C	SN#: 137877 DTW (ft btoc)	TOC Elev	Corrected DTW	Corrected GW Elev
						5430.000 GW Elevation		
8/6/09	15:45:00	0	14.719	10.866	256.431	5173.569	256.431	5173.569
8/6/09	15:50:00	5	14.712	10.828	256.446	5173.554	256.446	5173.554
8/6/09	15:55:00	10	14.711	10.816	256.449	5173.551	256.449	5173.551
8/6/09	16:00:00	15	14.707	10.812	256.457	5173.543	256.457	5173.543
8/6/09	16:05:00	20	14.705	10.812	256.463	5173.537	256.463	5173.537
8/6/09	16:10:00	25	14.707	10.812	256.457	5173.543	256.457	5173.543
8/6/09	16:15:00	30	14.702	10.812	256.468	5173.532	256.468	5173.532
8/6/09	16:20:00	35	14.704	10.807	256.465	5173.535	256.465	5173.535
8/6/09	16:25:00	40	14.700	10.806	256.475	5173.525	256.475	5173.525
8/6/09	16:30:00	45	14.701	10.799	256.471	5173.529	256.471	5173.529
8/6/09	16:35:00	50	14.703	10.804	256.466	5173.534	256.466	5173.534
8/6/09	16:40:00	55	14.701	10.805	256.471	5173.529	256.471	5173.529
8/6/09	16:45:00	60	14.701	10.804	256.471	5173.529	256.471	5173.529
8/6/09	16:50:00	65	14.702	10.804	256.470	5173.530	256.470	5173.530
8/6/09	16:55:00	70	14.702	10.810	256.468	5173.532	256.468	5173.532
8/6/09	17:00:00	75	14.703	10.812	256.468	5173.532	256.468	5173.532
8/6/09	17:05:00	80	14.703	10.811	256.468	5173.532	256.468	5173.532
8/6/09	17:10:00	85	14.703	10.805	256.467	5173.533	256.467	5173.533
8/6/09	17:15:00	90	14.707	10.802	256.457	5173.543	256.457	5173.543
8/6/09	17:20:00	95	14.704	10.806	256.464	5173.536	256.464	5173.536
8/6/09	17:25:00	100	14.705	10.803	256.462	5173.538	256.462	5173.538
8/6/09	17:30:00	105	14.707	10.793	256.458	5173.542	256.458	5173.542
8/6/09	17:35:00	110	14.707	10.794	256.457	5173.543	256.457	5173.543
8/6/09	17:40:00	115	14.709	10.797	256.454	5173.546	256.454	5173.546
8/6/09	17:45:00	120	14.709	10.795	256.452	5173.548	256.452	5173.548
8/6/09	17:50:00	125	14.711	10.798	256.449	5173.551	256.449	5173.551
8/6/09	17:55:00	130	14.711	10.799	256.449	5173.551	256.449	5173.551
8/6/09	18:00:00	135	14.710	10.800	256.450	5173.550	256.450	5173.550
8/6/09	18:05:00	140	14.710	10.796	256.450	5173.550	256.450	5173.550
8/6/09	18:10:00	145	14.712	10.794	256.447	5173.553	256.447	5173.553
8/6/09	18:15:00	150	14.714	10.795	256.443	5173.557	256.443	5173.557
8/6/09	18:20:00	155	14.716	10.796	256.437	5173.563	256.437	5173.563
8/6/09	18:25:00	160	14.715	10.799	256.438	5173.562	256.438	5173.562
8/6/09	18:30:00	165	14.716	10.796	256.438	5173.562	256.438	5173.562
8/6/09	18:35:00	170	14.715	10.794	256.440	5173.560	256.440	5173.560
8/6/09	18:40:00	175	14.717	10.795	256.435	5173.565	256.435	5173.565
8/6/09	18:45:00	180	14.716	10.794	256.437	5173.563	256.437	5173.563
8/6/09	18:50:00	185	14.717	10.793	256.435	5173.565	256.435	5173.565
8/6/09	18:55:00	190	14.717	10.796	256.435	5173.565	256.435	5173.565
8/6/09	19:00:00	195	14.718	10.796	256.433	5173.567	256.433	5173.567
8/6/09	19:05:00	200	14.719	10.796	256.430	5173.570	256.430	5173.570
8/6/09	19:10:00	205	14.718	10.794	256.433	5173.567	256.433	5173.567
8/6/09	19:15:00	210	14.720	10.795	256.428	5173.572	256.428	5173.572
8/6/09	19:20:00	215	14.718	10.796	256.433	5173.567	256.433	5173.567
8/6/09	19:25:00	220	14.721	10.798	256.426	5173.574	256.426	5173.574
8/6/09	19:30:00	225	14.718	10.800	256.432	5173.568	256.432	5173.568
8/6/09	19:35:00	230	14.718	10.805	256.432	5173.568	256.432	5173.568
8/6/09	19:40:00	235	14.720	10.799	256.429	5173.571	256.429	5173.571
8/6/09	19:45:00	240	14.720	10.796	256.428	5173.572	256.428	5173.572
8/6/09	19:50:00	245	14.721	10.799	256.426	5173.574	256.426	5173.574
8/6/09	19:55:00	250	14.720	10.801	256.427	5173.573	256.427	5173.573
8/6/09	20:00:00	255	14.721	10.804	256.426	5173.574	256.426	5173.574

Appendix B-5. UMW-11 Water Level Data, Moore Ranch Supplemental Pump Testing

Date	Time	Elapsed Minutes	Tin SN#: 1377 PSI	SN#: 137877 Temp - C	SN#: 137877 DTW (ft btoc)	TOC Elev	Corrected	Corrected
						5430.000 GW Elevation	DTW	GW Elev
8/6/09	20:05:00	260	14.721	10.801	256.426	5173.574	256.426	5173.574
8/6/09	20:10:00	265	14.721	10.803	256.425	5173.575	256.425	5173.575
8/6/09	20:15:00	270	14.722	10.804	256.424	5173.576	256.424	5173.576
8/6/09	20:20:00	275	14.723	10.807	256.421	5173.579	256.421	5173.579
8/6/09	20:25:00	280	14.721	10.807	256.426	5173.574	256.426	5173.574
8/6/09	20:30:00	285	14.721	10.810	256.425	5173.575	256.425	5173.575
8/6/09	20:35:00	290	14.721	10.811	256.425	5173.575	256.425	5173.575
8/6/09	20:40:00	295	14.722	10.810	256.424	5173.576	256.424	5173.576
8/6/09	20:45:00	300	14.721	10.806	256.425	5173.575	256.425	5173.575
8/6/09	20:50:00	305	14.722	10.804	256.424	5173.576	256.424	5173.576
8/6/09	20:55:00	310	14.722	10.798	256.424	5173.576	256.424	5173.576
8/6/09	21:00:00	315	14.722	10.798	256.424	5173.576	256.424	5173.576
8/6/09	21:05:00	320	14.721	10.796	256.425	5173.575	256.425	5173.575
8/6/09	21:10:00	325	14.720	10.795	256.427	5173.573	256.427	5173.573
8/6/09	21:15:00	330	14.722	10.796	256.423	5173.577	256.423	5173.577
8/6/09	21:20:00	335	14.721	10.800	256.425	5173.575	256.425	5173.575
8/6/09	21:25:00	340	14.720	10.802	256.427	5173.573	256.427	5173.573
8/6/09	21:30:00	345	14.721	10.801	256.424	5173.576	256.424	5173.576
8/6/09	21:35:00	350	14.721	10.796	256.426	5173.574	256.426	5173.574
8/6/09	21:40:00	355	14.720	10.796	256.428	5173.572	256.428	5173.572
8/6/09	21:45:00	360	14.723	10.799	256.422	5173.578	256.422	5173.578
8/6/09	21:50:00	365	14.726	10.799	256.414	5173.586	256.414	5173.586
8/6/09	21:55:00	370	14.722	10.801	256.422	5173.578	256.422	5173.578
8/6/09	22:00:00	375	14.723	10.805	256.420	5173.580	256.420	5173.580
8/6/09	22:05:00	380	14.724	10.810	256.418	5173.582	256.418	5173.582
8/6/09	22:10:00	385	14.724	10.809	256.420	5173.580	256.420	5173.580
8/6/09	22:15:00	390	14.723	10.805	256.421	5173.579	256.421	5173.579
8/6/09	22:20:00	395	14.724	10.802	256.419	5173.581	256.419	5173.581
8/6/09	22:25:00	400	14.725	10.804	256.417	5173.583	256.417	5173.583
8/6/09	22:30:00	405	14.726	10.805	256.414	5173.586	256.414	5173.586
8/6/09	22:35:00	410	14.723	10.807	256.421	5173.579	256.421	5173.579
8/6/09	22:40:00	415	14.726	10.805	256.414	5173.586	256.414	5173.586
8/6/09	22:45:00	420	14.725	10.804	256.417	5173.583	256.417	5173.583
8/6/09	22:50:00	425	14.726	10.807	256.414	5173.586	256.414	5173.586
8/6/09	22:55:00	430	14.725	10.804	256.416	5173.584	256.416	5173.584
8/6/09	23:00:00	435	14.724	10.805	256.418	5173.582	256.418	5173.582
8/6/09	23:05:00	440	14.724	10.801	256.419	5173.581	256.419	5173.581
8/6/09	23:10:00	445	14.723	10.800	256.420	5173.580	256.420	5173.580
8/6/09	23:15:00	450	14.725	10.800	256.416	5173.584	256.416	5173.584
8/6/09	23:20:00	455	14.724	10.803	256.418	5173.582	256.418	5173.582
8/6/09	23:25:00	460	14.724	10.802	256.419	5173.581	256.419	5173.581
8/6/09	23:30:00	465	14.722	10.800	256.422	5173.578	256.422	5173.578
8/6/09	23:35:00	470	14.725	10.796	256.415	5173.585	256.415	5173.585
8/6/09	23:40:00	475	14.723	10.798	256.421	5173.579	256.421	5173.579
8/6/09	23:45:00	480	14.722	10.799	256.423	5173.577	256.423	5173.577
8/6/09	23:50:00	485	14.722	10.800	256.422	5173.578	256.422	5173.578
8/6/09	23:55:00	490	14.722	10.798	256.424	5173.576	256.424	5173.576
8/7/09	0:00:00	495	14.721	10.796	256.425	5173.575	256.425	5173.575
8/7/09	0:05:00	500	14.720	10.797	256.429	5173.571	256.429	5173.571
8/7/09	0:10:00	505	14.721	10.796	256.425	5173.575	256.425	5173.575
8/7/09	0:15:00	510	14.720	10.796	256.428	5173.572	256.428	5173.572
8/7/09	0:20:00	515	14.720	10.796	256.428	5173.572	256.428	5173.572

Appendix B-5. UMW-11 Water Level Data, Moore Ranch Supplemental Pump Testing

Date	Time	Elapsed Minutes	Tin PSI	SN#: 137877 Temp - C	SN#: 137877 DTW (ft btoc)	TOC Elev	Corrected DTW	Corrected GW Elev
						5430.000 GW Elevation		
8/7/09	0:25:00	520	14.719	10.797	256.430	5173.570	256.430	5173.570
8/7/09	0:30:00	525	14.719	10.799	256.429	5173.571	256.429	5173.571
8/7/09	0:35:00	530	14.718	10.797	256.433	5173.567	256.433	5173.567
8/7/09	0:40:00	535	14.720	10.796	256.429	5173.571	256.429	5173.571
8/7/09	0:45:00	540	14.719	10.798	256.430	5173.570	256.430	5173.570
8/7/09	0:50:00	545	14.719	10.799	256.430	5173.570	256.430	5173.570
8/7/09	0:55:00	550	14.720	10.796	256.428	5173.572	256.428	5173.572
8/7/09	1:00:00	555	14.719	10.793	256.431	5173.569	256.431	5173.569
8/7/09	1:05:00	560	14.721	10.791	256.426	5173.574	256.426	5173.574
8/7/09	1:10:00	565	14.720	10.795	256.428	5173.572	256.428	5173.572
8/7/09	1:15:00	570	14.720	10.794	256.427	5173.573	256.427	5173.573
8/7/09	1:20:00	575	14.721	10.795	256.426	5173.574	256.426	5173.574
8/7/09	1:25:00	580	14.720	10.797	256.427	5173.573	256.427	5173.573
8/7/09	1:30:00	585	14.720	10.794	256.427	5173.573	256.427	5173.573
8/7/09	1:35:00	590	14.720	10.795	256.428	5173.572	256.428	5173.572
8/7/09	1:40:00	595	14.718	10.795	256.432	5173.568	256.432	5173.568
8/7/09	1:45:00	600	14.720	10.797	256.428	5173.572	256.428	5173.572
8/7/09	1:50:00	605	14.719	10.797	256.430	5173.570	256.430	5173.570
8/7/09	1:55:00	610	14.718	10.796	256.431	5173.569	256.431	5173.569
8/7/09	2:00:00	615	14.719	10.796	256.429	5173.571	256.429	5173.571
8/7/09	2:05:00	620	14.720	10.801	256.428	5173.572	256.428	5173.572
8/7/09	2:10:00	625	14.719	10.803	256.430	5173.570	256.430	5173.570
8/7/09	2:15:00	630	14.719	10.799	256.429	5173.571	256.429	5173.571
8/7/09	2:20:00	635	14.719	10.796	256.430	5173.570	256.430	5173.570
8/7/09	2:25:00	640	14.718	10.799	256.432	5173.568	256.432	5173.568
8/7/09	2:30:00	645	14.719	10.798	256.430	5173.570	256.430	5173.570
8/7/09	2:35:00	650	14.719	10.799	256.430	5173.570	256.430	5173.570
8/7/09	2:40:00	655	14.718	10.796	256.433	5173.567	256.433	5173.567
8/7/09	2:45:00	660	14.721	10.802	256.426	5173.574	256.426	5173.574
8/7/09	2:50:00	665	14.718	10.796	256.432	5173.568	256.432	5173.568
8/7/09	2:55:00	670	14.720	10.789	256.428	5173.572	256.428	5173.572
8/7/09	3:00:00	675	14.724	10.796	256.418	5173.582	256.418	5173.582
8/7/09	3:05:00	680	14.720	10.800	256.427	5173.573	256.427	5173.573
8/7/09	3:10:00	685	14.718	10.798	256.432	5173.568	256.432	5173.568
8/7/09	3:15:00	690	14.719	10.797	256.430	5173.570	256.430	5173.570
8/7/09	3:20:00	695	14.718	10.800	256.433	5173.567	256.433	5173.567
8/7/09	3:25:00	700	14.719	10.804	256.429	5173.571	256.429	5173.571
8/7/09	3:30:00	705	14.719	10.810	256.430	5173.570	256.430	5173.570
8/7/09	3:35:00	710	14.721	10.811	256.426	5173.574	256.426	5173.574
8/7/09	3:40:00	715	14.718	10.801	256.432	5173.568	256.432	5173.568
8/7/09	3:45:00	720	14.720	10.801	256.428	5173.572	256.428	5173.572
8/7/09	3:50:00	725	14.719	10.801	256.429	5173.571	256.429	5173.571
8/7/09	3:55:00	730	14.721	10.793	256.426	5173.574	256.426	5173.574
8/7/09	4:00:00	735	14.720	10.792	256.427	5173.573	256.427	5173.573
8/7/09	4:05:00	740	14.720	10.792	256.427	5173.573	256.427	5173.573
8/7/09	4:10:00	745	14.722	10.795	256.422	5173.578	256.422	5173.578
8/7/09	4:15:00	750	14.721	10.796	256.425	5173.575	256.425	5173.575
8/7/09	4:20:00	755	14.722	10.799	256.422	5173.578	256.422	5173.578
8/7/09	4:25:00	760	14.723	10.799	256.421	5173.579	256.421	5173.579
8/7/09	4:30:00	765	14.724	10.799	256.419	5173.581	256.419	5173.581
8/7/09	4:35:00	770	14.724	10.800	256.419	5173.581	256.419	5173.581
8/7/09	4:40:00	775	14.724	10.798	256.419	5173.581	256.419	5173.581

Appendix B-5. UMW-11 Water Level Data, Moore Ranch Supplemental Pump Testing

Date	Time	Elapsed Time Minutes	SN#: 137877 PSI	SN#: 137877 Temp - C	SN#: 137877 DTW (ft btoc)	TOC Elev	Corrected	Corrected
						5430.000 GW Elevation	DTW	GW Elev
8/7/09	4:45:00	780	14.723	10.802	256.422	5173.578	256.422	5173.578
8/7/09	4:50:00	785	14.725	10.804	256.416	5173.584	256.416	5173.584
8/7/09	4:55:00	790	14.725	10.804	256.416	5173.584	256.416	5173.584
8/7/09	5:00:00	795	14.727	10.800	256.412	5173.588	256.412	5173.588
8/7/09	5:05:00	800	14.726	10.801	256.414	5173.586	256.414	5173.586
8/7/09	5:10:00	805	14.726	10.802	256.413	5173.587	256.413	5173.587
8/7/09	5:15:00	810	14.727	10.800	256.412	5173.588	256.412	5173.588
8/7/09	5:20:00	815	14.727	10.800	256.412	5173.588	256.412	5173.588
8/7/09	5:25:00	820	14.727	10.801	256.412	5173.588	256.412	5173.588
8/7/09	5:30:00	825	14.727	10.803	256.411	5173.589	256.411	5173.589
8/7/09	5:35:00	830	14.727	10.798	256.410	5173.590	256.410	5173.590
8/7/09	5:40:00	835	14.728	10.798	256.410	5173.590	256.410	5173.590
8/7/09	5:45:00	840	14.728	10.802	256.409	5173.591	256.409	5173.591
8/7/09	5:50:00	845	14.727	10.801	256.411	5173.589	256.411	5173.589
8/7/09	5:55:00	850	14.729	10.805	256.407	5173.593	256.407	5173.593
8/7/09	6:00:00	855	14.730	10.806	256.405	5173.595	256.405	5173.595
8/7/09	6:05:00	860	14.729	10.804	256.408	5173.592	256.408	5173.592
8/7/09	6:10:00	865	14.729	10.805	256.407	5173.593	256.407	5173.593
8/7/09	6:15:00	870	14.729	10.804	256.408	5173.592	256.408	5173.592
8/7/09	6:20:00	875	14.728	10.801	256.409	5173.591	256.409	5173.591
8/7/09	6:25:00	880	14.729	10.804	256.408	5173.592	256.408	5173.592
8/7/09	6:30:00	885	14.728	10.802	256.409	5173.591	256.409	5173.591
8/7/09	6:35:00	890	14.728	10.802	256.408	5173.592	256.408	5173.592
8/7/09	6:40:00	895	14.730	10.804	256.405	5173.595	256.405	5173.595
8/7/09	6:45:00	900	14.729	10.810	256.407	5173.593	256.407	5173.593
8/7/09	6:50:00	905	14.729	10.806	256.408	5173.592	256.408	5173.592
8/7/09	6:55:00	910	14.729	10.805	256.406	5173.594	256.406	5173.594
8/7/09	7:00:00	915	14.730	10.804	256.404	5173.596	256.404	5173.596
8/7/09	7:05:00	920	14.730	10.804	256.405	5173.595	256.405	5173.595
8/7/09	7:10:00	925	14.729	10.807	256.407	5173.593	256.407	5173.593
8/7/09	7:15:00	930	14.730	10.807	256.405	5173.595	256.405	5173.595
8/7/09	7:20:00	935	14.730	10.810	256.404	5173.596	256.404	5173.596
8/7/09	7:25:00	940	14.731	10.807	256.403	5173.597	256.403	5173.597
8/7/09	7:30:00	945	14.731	10.806	256.402	5173.598	256.402	5173.598
8/7/09	7:35:00	950	14.730	10.803	256.404	5173.596	256.404	5173.596
8/7/09	7:40:00	955	14.732	10.800	256.399	5173.601	256.399	5173.601
8/7/09	7:45:00	960	14.731	10.798	256.402	5173.598	256.402	5173.598
8/7/09	7:50:00	965	14.732	10.796	256.399	5173.601	256.399	5173.601
8/7/09	7:55:00	970	14.731	10.797	256.402	5173.598	256.402	5173.598
8/7/09	8:00:00	975	14.731	10.798	256.402	5173.598	256.402	5173.598
8/7/09	8:05:00	980	14.731	10.804	256.403	5173.597	256.403	5173.597
8/7/09	8:10:00	985	14.731	10.801	256.403	5173.597	256.403	5173.597
8/7/09	8:15:00	990	14.730	10.800	256.405	5173.595	256.405	5173.595
8/7/09	8:20:00	995	14.731	10.799	256.403	5173.597	256.403	5173.597
8/7/09	8:25:00	1000	14.730	10.801	256.406	5173.594	256.406	5173.594
8/7/09	8:30:00	1005	14.731	10.800	256.403	5173.597	256.403	5173.597
8/7/09	8:35:00	1010	14.730	10.803	256.405	5173.595	256.405	5173.595
8/7/09	8:40:00	1015	14.730	10.798	256.404	5173.596	256.404	5173.596
8/7/09	8:45:00	1020	14.730	10.801	256.404	5173.596	256.404	5173.596
8/7/09	8:50:00	1025	14.731	10.802	256.402	5173.598	256.402	5173.598
8/7/09	8:55:00	1030	14.731	10.800	256.402	5173.598	256.402	5173.598
8/7/09	9:00:00	1035	14.731	10.795	256.402	5173.598	256.402	5173.598

Appendix B-5. UMW-11 Water Level Data, Moore Ranch Supplemental Pump Testing

Date	Time	Elapsed Minutes	Tin SN#: 1377 PSI	SN#: 137877 Temp - C	SN#: 137877 DTW (ft btoc)	TOC Elev	Corrected	Corrected
						5430.000 GW Elevation	DTW	GW Elev
8/7/09	9:05:00	1040	14.730	10.794	256.405	5173.595	256.405	5173.595
8/7/09	9:10:00	1045	14.730	10.789	256.404	5173.596	256.404	5173.596
8/7/09	9:15:00	1050	14.730	10.793	256.405	5173.595	256.405	5173.595
8/7/09	9:20:00	1055	14.730	10.794	256.404	5173.596	256.404	5173.596
8/7/09	9:25:00	1060	14.729	10.793	256.406	5173.594	256.406	5173.594
8/7/09	9:30:00	1065	14.729	10.798	256.407	5173.593	256.407	5173.593
8/7/09	9:35:00	1070	14.729	10.797	256.407	5173.593	256.407	5173.593
8/7/09	9:40:00	1075	14.731	10.797	256.403	5173.597	256.403	5173.597
8/7/09	9:45:00	1080	14.728	10.800	256.410	5173.590	256.410	5173.590
8/7/09	9:50:00	1085	14.730	10.803	256.406	5173.594	256.406	5173.594
8/7/09	9:55:00	1090	14.728	10.799	256.410	5173.590	256.410	5173.590
8/7/09	10:00:00	1095	14.727	10.796	256.411	5173.589	256.411	5173.589
8/7/09	10:05:00	1100	14.728	10.800	256.410	5173.590	256.410	5173.590
8/7/09	10:10:00	1105	14.728	10.803	256.410	5173.590	256.410	5173.590
8/7/09	10:15:00	1110	14.726	10.802	256.413	5173.587	256.413	5173.587
8/7/09	10:20:00	1115	14.726	10.799	256.414	5173.586	256.414	5173.586
8/7/09	10:25:00	1120	14.726	10.800	256.414	5173.586	256.414	5173.586
8/7/09	10:30:00	1125	14.727	10.803	256.411	5173.589	256.411	5173.589
8/7/09	10:35:00	1130	14.727	10.800	256.412	5173.588	256.412	5173.588
8/7/09	10:40:00	1135	14.724	10.797	256.418	5173.582	256.418	5173.582
8/7/09	10:45:00	1140	14.726	10.792	256.413	5173.587	256.413	5173.587
8/7/09	10:50:00	1145	14.725	10.792	256.417	5173.583	256.417	5173.583
8/7/09	10:55:00	1150	14.723	10.796	256.422	5173.578	256.422	5173.578
8/7/09	11:00:00	1155	14.725	10.797	256.417	5173.583	256.417	5173.583
8/7/09	11:05:00	1160	14.723	10.797	256.421	5173.579	256.421	5173.579
8/7/09	11:10:00	1165	14.724	10.794	256.419	5173.581	256.419	5173.581
8/7/09	11:15:00	1170	14.726	10.793	256.415	5173.585	256.415	5173.585
8/7/09	11:20:00	1175	14.723	10.794	256.421	5173.579	256.421	5173.579
8/7/09	11:25:00	1180	14.723	10.800	256.422	5173.578	256.422	5173.578
8/7/09	11:30:00	1185	14.723	10.802	256.421	5173.579	256.421	5173.579
8/7/09	11:35:00	1190	14.722	10.797	256.424	5173.576	256.424	5173.576
8/7/09	11:40:00	1195	14.723	10.796	256.420	5173.580	256.420	5173.580
8/7/09	11:45:00	1200	14.721	10.803	256.426	5173.574	256.426	5173.574
8/7/09	11:50:00	1205	14.721	10.804	256.425	5173.575	256.425	5173.575
8/7/09	11:55:00	1210	14.721	10.805	256.425	5173.575	256.425	5173.575
8/7/09	12:00:00	1215	14.721	10.804	256.425	5173.575	256.425	5173.575
8/7/09	12:05:00	1220	14.720	10.805	256.427	5173.573	256.427	5173.573
8/7/09	12:10:00	1225	14.721	10.804	256.425	5173.575	256.425	5173.575
8/7/09	12:15:00	1230	14.720	10.803	256.427	5173.573	256.427	5173.573
8/7/09	12:20:00	1235	14.721	10.802	256.425	5173.575	256.425	5173.575
8/7/09	12:25:00	1240	14.720	10.799	256.428	5173.572	256.428	5173.572
8/7/09	12:30:00	1245	14.720	10.804	256.428	5173.572	256.428	5173.572
8/7/09	12:35:00	1250	14.719	10.806	256.430	5173.570	256.430	5173.570
8/7/09	12:40:00	1255	14.720	10.802	256.428	5173.572	256.428	5173.572
8/7/09	12:45:00	1260	14.719	10.799	256.429	5173.571	256.429	5173.571
8/7/09	12:50:00	1265	14.720	10.800	256.428	5173.572	256.428	5173.572
8/7/09	12:55:00	1270	14.719	10.803	256.430	5173.570	256.430	5173.570
8/7/09	13:00:00	1275	14.719	10.803	256.429	5173.571	256.429	5173.571
8/7/09	13:05:00	1280	14.719	10.805	256.430	5173.570	256.430	5173.570
8/7/09	13:10:00	1285	14.720	10.804	256.428	5173.572	256.428	5173.572
8/7/09	13:15:00	1290	14.718	10.805	256.432	5173.568	256.432	5173.568
8/7/09	13:20:00	1295	14.719	10.806	256.430	5173.570	256.430	5173.570

Appendix B-5. UMW-11 Water Level Data, Moore Ranch Supplemental Pump Testing

Date	Time	Elapsed Minutes	Tin SN# PSI	SN# Temp - C	SN# DTW (ft btoc)	TOC Elev	Corrected DTW	Corrected GW Elev
						5430.000 GW Elevation		
8/7/09	13:25:00	1300	14.720	10.804	256.427	5173.573	256.427	5173.573
8/7/09	13:30:00	1305	14.719	10.804	256.430	5173.570	256.430	5173.570
8/7/09	13:35:00	1310	14.720	10.803	256.428	5173.572	256.428	5173.572
8/7/09	13:40:00	1315	14.720	10.800	256.428	5173.572	256.428	5173.572
8/7/09	13:45:00	1320	14.720	10.801	256.427	5173.573	256.427	5173.573
8/7/09	13:50:00	1325	14.720	10.800	256.429	5173.571	256.429	5173.571
8/7/09	13:55:00	1330	14.721	10.806	256.427	5173.573	256.427	5173.573
8/7/09	14:00:00	1335	14.719	10.810	256.430	5173.570	256.430	5173.570
8/7/09	14:05:00	1340	14.720	10.800	256.427	5173.573	256.427	5173.573
8/7/09	14:10:00	1345	14.720	10.795	256.427	5173.573	256.427	5173.573
8/7/09	14:15:00	1350	14.722	10.805	256.422	5173.578	256.422	5173.578
8/7/09	14:20:00	1355	14.720	10.805	256.427	5173.573	256.427	5173.573
8/7/09	14:25:00	1360	14.721	10.800	256.425	5173.575	256.425	5173.575
8/7/09	14:30:00	1365	14.720	10.799	256.428	5173.572	256.428	5173.572
8/7/09	14:35:00	1370	14.721	10.800	256.426	5173.574	256.426	5173.574
8/7/09	14:40:00	1375	14.720	10.799	256.427	5173.573	256.427	5173.573
8/7/09	14:45:00	1380	14.721	10.798	256.426	5173.574	256.426	5173.574
8/7/09	14:50:00	1385	14.720	10.792	256.427	5173.573	256.427	5173.573
8/7/09	14:55:00	1390	14.721	10.795	256.425	5173.575	256.425	5173.575
8/7/09	15:00:00	1395	14.720	10.794	256.429	5173.571	256.429	5173.571
8/7/09	15:05:00	1400	14.725	10.795	256.416	5173.584	256.416	5173.584
8/7/09	15:10:00	1405	14.722	10.800	256.424	5173.576	256.424	5173.576
8/7/09	15:15:00	1410	14.722	10.799	256.422	5173.578	256.422	5173.578
8/7/09	15:20:00	1415	14.723	10.799	256.421	5173.579	256.421	5173.579
8/7/09	15:25:00	1420	14.723	10.803	256.420	5173.580	256.420	5173.580
8/7/09	15:30:00	1425	14.723	10.798	256.420	5173.580	256.420	5173.580
8/7/09	15:35:00	1430	14.722	10.800	256.423	5173.577	256.423	5173.577
8/7/09	15:40:00	1435	14.723	10.802	256.421	5173.579	256.421	5173.579
8/7/09	15:45:00	1440	14.724	10.809	256.419	5173.581	256.419	5173.581
8/7/09	15:50:00	1445	14.724	10.808	256.418	5173.582	256.418	5173.582
8/7/09	15:55:00	1450	14.723	10.804	256.421	5173.579	256.421	5173.579
8/7/09	16:00:00	1455	14.722	10.805	256.423	5173.577	256.423	5173.577
8/7/09	16:05:00	1460	14.724	10.803	256.419	5173.581	256.419	5173.581
8/7/09	16:10:00	1465	14.726	10.799	256.414	5173.586	256.414	5173.586
8/7/09	16:15:00	1470	14.725	10.796	256.417	5173.583	256.417	5173.583
8/7/09	16:20:00	1475	14.724	10.799	256.418	5173.582	256.418	5173.582
8/7/09	16:25:00	1480	14.729	10.798	256.407	5173.593	256.407	5173.593
8/7/09	16:30:00	1485	14.727	10.797	256.413	5173.587	256.413	5173.587
8/7/09	16:35:00	1490	14.726	10.803	256.413	5173.587	256.413	5173.587
8/7/09	16:40:00	1495	14.726	10.801	256.413	5173.587	256.413	5173.587
8/7/09	16:45:00	1500	14.727	10.799	256.411	5173.589	256.411	5173.589
8/7/09	16:50:00	1505	14.728	10.791	256.409	5173.591	256.409	5173.591
8/7/09	16:55:00	1510	14.728	10.798	256.409	5173.591	256.409	5173.591
8/7/09	17:00:00	1515	14.728	10.805	256.409	5173.591	256.409	5173.591
8/7/09	17:05:00	1520	14.729	10.805	256.408	5173.592	256.408	5173.592
8/7/09	17:10:00	1525	14.729	10.798	256.407	5173.593	256.407	5173.593
8/7/09	17:15:00	1530	14.730	10.797	256.406	5173.594	256.406	5173.594
8/7/09	17:20:00	1535	14.730	10.795	256.405	5173.595	256.405	5173.595
8/7/09	17:25:00	1540	14.729	10.796	256.406	5173.594	256.406	5173.594
8/7/09	17:30:00	1545	14.730	10.793	256.404	5173.596	256.404	5173.596
8/7/09	17:35:00	1550	14.730	10.793	256.405	5173.595	256.405	5173.595
8/7/09	17:40:00	1555	14.732	10.796	256.401	5173.599	256.401	5173.599

Appendix B-5. UMW-11 Water Level Data, Moore Ranch Supplemental Pump Testing

Date	Time	Elapsed Minutes	Tin SN#: 137877 PSI	SN#: 137877 Temp - C	SN#: 137877 DTW (ft btoc)	TOC Elev	Corrected DTW	Corrected GW Elev
						5430.000 GW Elevation		
8/7/09	17:45:00	1560	14.731	10.799	256.401	5173.599	256.401	5173.599
8/7/09	17:50:00	1565	14.731	10.797	256.403	5173.597	256.403	5173.597
8/7/09	17:55:00	1570	14.731	10.802	256.402	5173.598	256.402	5173.598
8/7/09	18:00:00	1575	14.732	10.804	256.399	5173.601	256.399	5173.601
8/7/09	18:05:00	1580	14.732	10.800	256.400	5173.600	256.400	5173.600
8/7/09	18:10:00	1585	14.733	10.804	256.399	5173.601	256.399	5173.601
8/7/09	18:15:00	1590	14.732	10.803	256.400	5173.600	256.400	5173.600
8/7/09	18:20:00	1595	14.732	10.802	256.399	5173.601	256.399	5173.601
8/7/09	18:25:00	1600	14.732	10.800	256.399	5173.601	256.399	5173.601
8/7/09	18:30:00	1605	14.733	10.801	256.397	5173.603	256.397	5173.603
8/7/09	18:35:00	1610	14.734	10.794	256.395	5173.605	256.395	5173.605
8/7/09	18:40:00	1615	14.734	10.797	256.395	5173.605	256.395	5173.605
8/7/09	18:45:00	1620	14.735	10.802	256.393	5173.607	256.393	5173.607
8/7/09	18:50:00	1625	14.736	10.804	256.392	5173.608	256.392	5173.608
8/7/09	18:55:00	1630	14.735	10.804	256.392	5173.608	256.392	5173.608
8/7/09	19:00:00	1635	14.734	10.803	256.394	5173.606	256.394	5173.606
8/7/09	19:05:00	1640	14.736	10.800	256.391	5173.609	256.391	5173.609
8/7/09	19:10:00	1645	14.736	10.801	256.390	5173.610	256.390	5173.610
8/7/09	19:15:00	1650	14.737	10.799	256.388	5173.612	256.388	5173.612
8/7/09	19:20:00	1655	14.736	10.804	256.390	5173.610	256.390	5173.610
8/7/09	19:25:00	1660	14.737	10.807	256.389	5173.611	256.389	5173.611
8/7/09	19:30:00	1665	14.738	10.805	256.387	5173.613	256.387	5173.613
8/7/09	19:35:00	1670	14.737	10.808	256.387	5173.613	256.387	5173.613
8/7/09	19:40:00	1675	14.738	10.804	256.387	5173.613	256.387	5173.613
8/7/09	19:45:00	1680	14.737	10.800	256.389	5173.611	256.389	5173.611
8/7/09	19:50:00	1685	14.738	10.802	256.386	5173.614	256.386	5173.614
8/7/09	19:55:00	1690	14.738	10.804	256.386	5173.614	256.386	5173.614
8/7/09	20:00:00	1695	14.737	10.803	256.388	5173.612	256.388	5173.612
8/7/09	20:05:00	1700	14.737	10.797	256.388	5173.612	256.388	5173.612
8/7/09	20:10:00	1705	14.737	10.800	256.388	5173.612	256.388	5173.612
8/7/09	20:15:00	1710	14.737	10.801	256.389	5173.611	256.389	5173.611
8/7/09	20:20:00	1715	14.738	10.798	256.386	5173.614	256.386	5173.614
8/7/09	20:25:00	1720	14.738	10.800	256.386	5173.614	256.386	5173.614
8/7/09	20:30:00	1725	14.738	10.800	256.386	5173.614	256.386	5173.614
8/7/09	20:35:00	1730	14.739	10.802	256.384	5173.616	256.384	5173.616
8/7/09	20:40:00	1735	14.738	10.802	256.386	5173.614	256.386	5173.614
8/7/09	20:45:00	1740	14.737	10.807	256.388	5173.612	256.388	5173.612
8/7/09	20:50:00	1745	14.737	10.808	256.388	5173.612	256.388	5173.612
8/7/09	20:55:00	1750	14.737	10.813	256.388	5173.612	256.388	5173.612
8/7/09	21:00:00	1755	14.737	10.809	256.388	5173.612	256.388	5173.612
8/7/09	21:05:00	1760	14.736	10.805	256.390	5173.610	256.390	5173.610
8/7/09	21:10:00	1765	14.738	10.807	256.386	5173.614	256.386	5173.614
8/7/09	21:15:00	1770	14.738	10.807	256.387	5173.613	256.387	5173.613
8/7/09	21:20:00	1775	14.738	10.808	256.387	5173.613	256.387	5173.613
8/7/09	21:25:00	1780	14.738	10.810	256.386	5173.614	256.386	5173.614
8/7/09	21:30:00	1785	14.737	10.810	256.387	5173.613	256.387	5173.613
8/7/09	21:35:00	1790	14.737	10.804	256.388	5173.612	256.388	5173.612
8/7/09	21:40:00	1795	14.736	10.799	256.390	5173.610	256.390	5173.610
8/7/09	21:45:00	1800	14.737	10.802	256.388	5173.612	256.388	5173.612
8/7/09	21:50:00	1805	14.735	10.798	256.393	5173.607	256.393	5173.607
8/7/09	21:55:00	1810	14.737	10.798	256.389	5173.611	256.389	5173.611
8/7/09	22:00:00	1815	14.737	10.796	256.389	5173.611	256.389	5173.611

Appendix B-5. UMW-11 Water Level Data, Moore Ranch Supplemental Pump Testing

Date	Time	Elapsed Time Minutes	SN#: 137877 PSI	SN#: 137877 Temp - C	SN#: 137877 DTW (ft btoc)	TOC Elev	Corrected DTW	Corrected GW Elev
						5430.000 GW Elevation		
8/7/09	22:05:00	1820	14.736	10.797	256.390	5173.610	256.390	5173.610
8/7/09	22:10:00	1825	14.734	10.796	256.394	5173.606	256.394	5173.606
8/7/09	22:15:00	1830	14.734	10.794	256.395	5173.605	256.395	5173.605
8/7/09	22:20:00	1835	14.735	10.794	256.394	5173.606	256.394	5173.606
8/7/09	22:25:00	1840	14.735	10.796	256.394	5173.606	256.394	5173.606
8/7/09	22:30:00	1845	14.733	10.794	256.397	5173.603	256.397	5173.603
8/7/09	22:35:00	1850	14.734	10.792	256.396	5173.604	256.396	5173.604
8/7/09	22:40:00	1855	14.734	10.795	256.396	5173.604	256.396	5173.604
8/7/09	22:45:00	1860	14.733	10.796	256.399	5173.601	256.399	5173.601
8/7/09	22:50:00	1865	14.732	10.801	256.401	5173.599	256.401	5173.599
8/7/09	22:55:00	1870	14.731	10.797	256.402	5173.598	256.402	5173.598
8/7/09	23:00:00	1875	14.733	10.801	256.397	5173.603	256.397	5173.603
8/7/09	23:05:00	1880	14.729	10.799	256.406	5173.594	256.406	5173.594
8/7/09	23:10:00	1885	14.731	10.802	256.403	5173.597	256.403	5173.597
8/7/09	23:15:00	1890	14.727	10.800	256.411	5173.589	256.411	5173.589
8/7/09	23:20:00	1895	14.727	10.804	256.411	5173.589	256.411	5173.589
8/7/09	23:25:00	1900	14.725	10.805	256.416	5173.584	256.416	5173.584
8/7/09	23:30:00	1905	14.729	10.802	256.407	5173.593	256.407	5173.593
8/7/09	23:35:00	1910	14.727	10.800	256.411	5173.589	256.411	5173.589
8/7/09	23:40:00	1915	14.726	10.800	256.414	5173.586	256.414	5173.586
8/7/09	23:45:00	1920	14.727	10.799	256.412	5173.588	256.412	5173.588
8/7/09	23:50:00	1925	14.724	10.799	256.418	5173.582	256.418	5173.582
8/7/09	23:55:00	1930	14.726	10.800	256.413	5173.587	256.413	5173.587
8/8/09	0:00:00	1935	14.725	10.798	256.415	5173.585	256.415	5173.585
8/8/09	0:05:00	1940	14.728	10.801	256.410	5173.590	256.410	5173.590
8/8/09	0:10:00	1945	14.726	10.802	256.414	5173.586	256.414	5173.586
8/8/09	0:15:00	1950	14.728	10.809	256.409	5173.591	256.409	5173.591
8/8/09	0:20:00	1955	14.726	10.808	256.413	5173.587	256.413	5173.587
8/8/09	0:25:00	1960	14.727	10.809	256.413	5173.587	256.413	5173.587
8/8/09	0:30:00	1965	14.726	10.807	256.413	5173.587	256.413	5173.587
8/8/09	0:35:00	1970	14.725	10.806	256.415	5173.585	256.415	5173.585
8/8/09	0:40:00	1975	14.728	10.801	256.410	5173.590	256.410	5173.590
8/8/09	0:45:00	1980	14.727	10.803	256.413	5173.587	256.413	5173.587
8/8/09	0:50:00	1985	14.725	10.797	256.415	5173.585	256.415	5173.585
8/8/09	0:55:00	1990	14.726	10.798	256.413	5173.587	256.413	5173.587
8/8/09	1:00:00	1995	14.726	10.797	256.414	5173.586	256.414	5173.586
8/8/09	1:05:00	2000	14.724	10.798	256.418	5173.582	256.418	5173.582
8/8/09	1:10:00	2005	14.723	10.795	256.422	5173.578	256.422	5173.578
8/8/09	1:15:00	2010	14.721	10.796	256.425	5173.575	256.425	5173.575
8/8/09	1:20:00	2015	14.722	10.795	256.424	5173.576	256.424	5173.576
8/8/09	1:25:00	2020	14.723	10.801	256.420	5173.580	256.420	5173.580
8/8/09	1:30:00	2025	14.724	10.800	256.419	5173.581	256.419	5173.581
8/8/09	1:35:00	2030	14.723	10.799	256.420	5173.580	256.420	5173.580
8/8/09	1:40:00	2035	14.724	10.802	256.420	5173.580	256.420	5173.580
8/8/09	1:45:00	2040	14.722	10.800	256.424	5173.576	256.424	5173.576
8/8/09	1:50:00	2045	14.721	10.801	256.425	5173.575	256.425	5173.575
8/8/09	1:55:00	2050	14.721	10.796	256.425	5173.575	256.425	5173.575
8/8/09	2:00:00	2055	14.720	10.799	256.427	5173.573	256.427	5173.573
8/8/09	2:05:00	2060	14.722	10.799	256.423	5173.577	256.423	5173.577
8/8/09	2:10:00	2065	14.719	10.797	256.430	5173.570	256.430	5173.570
8/8/09	2:15:00	2070	14.717	10.795	256.434	5173.566	256.434	5173.566
8/8/09	2:20:00	2075	14.720	10.796	256.427	5173.573	256.427	5173.573

Appendix B-5. UMW-11 Water Level Data, Moore Ranch Supplemental Pump Testing

Date	Time	Elapsed Minutes	Tin SN#: 1377 PSI	SN#: 137877 Temp - C	SN#: 137877 DTW (ft btoc)	TOC Elev	Corrected	Corrected
						5430.000 GW Elevation	DTW	GW Elev
8/8/09	2:25:00	2080	14.721	10.805	256.426	5173.574	256.426	5173.574
8/8/09	2:30:00	2085	14.722	10.801	256.424	5173.576	256.424	5173.576
8/8/09	2:35:00	2090	14.717	10.796	256.434	5173.566	256.434	5173.566
8/8/09	2:40:00	2095	14.721	10.796	256.425	5173.575	256.425	5173.575
8/8/09	2:45:00	2100	14.720	10.797	256.427	5173.573	256.427	5173.573
8/8/09	2:50:00	2105	14.721	10.799	256.425	5173.575	256.425	5173.575
8/8/09	2:55:00	2110	14.719	10.804	256.429	5173.571	256.429	5173.571
8/8/09	3:00:00	2115	14.721	10.805	256.425	5173.575	256.425	5173.575
8/8/09	3:05:00	2120	14.721	10.808	256.426	5173.574	256.426	5173.574
8/8/09	3:10:00	2125	14.719	10.808	256.431	5173.569	256.431	5173.569
8/8/09	3:15:00	2130	14.722	10.803	256.424	5173.576	256.424	5173.576
8/8/09	3:20:00	2135	14.717	10.804	256.435	5173.565	256.435	5173.565
8/8/09	3:25:00	2140	14.717	10.801	256.434	5173.566	256.434	5173.566
8/8/09	3:30:00	2145	14.724	10.808	256.419	5173.581	256.419	5173.581
8/8/09	3:35:00	2150	14.723	10.807	256.422	5173.578	256.422	5173.578
8/8/09	3:40:00	2155	14.721	10.807	256.426	5173.574	256.426	5173.574
8/8/09	3:45:00	2160	14.720	10.804	256.427	5173.573	256.427	5173.573
8/8/09	3:50:00	2165	14.725	10.804	256.416	5173.584	256.416	5173.584
8/8/09	3:55:00	2170	14.722	10.804	256.423	5173.577	256.423	5173.577
8/8/09	4:00:00	2175	14.724	10.810	256.419	5173.581	256.419	5173.581
8/8/09	4:05:00	2180	14.726	10.812	256.414	5173.586	256.414	5173.586
8/8/09	4:10:00	2185	14.726	10.811	256.413	5173.587	256.413	5173.587
8/8/09	4:15:00	2190	14.725	10.809	256.415	5173.585	256.415	5173.585
8/8/09	4:20:00	2195	14.724	10.806	256.418	5173.582	256.418	5173.582
8/8/09	4:25:00	2200	14.729	10.805	256.406	5173.594	256.406	5173.594
8/8/09	4:30:00	2205	14.727	10.800	256.411	5173.589	256.411	5173.589
8/8/09	4:35:00	2210	14.725	10.804	256.415	5173.585	256.415	5173.585
8/8/09	4:40:00	2215	14.726	10.802	256.414	5173.586	256.414	5173.586
8/8/09	4:45:00	2220	14.723	10.795	256.420	5173.580	256.420	5173.580
8/8/09	4:50:00	2225	14.723	10.794	256.421	5173.579	256.421	5173.579
8/8/09	4:55:00	2230	14.724	10.801	256.418	5173.582	256.418	5173.582
8/8/09	5:00:00	2235	14.724	10.807	256.418	5173.582	256.418	5173.582
8/8/09	5:05:00	2240	14.723	10.805	256.421	5173.579	256.421	5173.579
8/8/09	5:10:00	2245	14.723	10.807	256.422	5173.578	256.422	5173.578
8/8/09	5:15:00	2250	14.723	10.807	256.420	5173.580	256.420	5173.580
8/8/09	5:20:00	2255	14.724	10.804	256.419	5173.581	256.419	5173.581
8/8/09	5:25:00	2260	14.723	10.802	256.421	5173.579	256.421	5173.579
8/8/09	5:30:00	2265	14.724	10.800	256.418	5173.582	256.418	5173.582
8/8/09	5:35:00	2270	14.723	10.803	256.420	5173.580	256.420	5173.580
8/8/09	5:40:00	2275	14.722	10.804	256.423	5173.577	256.423	5173.577
8/8/09	5:45:00	2280	14.722	10.805	256.423	5173.577	256.423	5173.577
8/8/09	5:50:00	2285	14.723	10.808	256.421	5173.579	256.421	5173.579
8/8/09	5:55:00	2290	14.722	10.807	256.422	5173.578	256.422	5173.578
8/8/09	6:00:00	2295	14.722	10.806	256.423	5173.577	256.423	5173.577
8/8/09	6:05:00	2300	14.722	10.808	256.423	5173.577	256.423	5173.577
8/8/09	6:10:00	2305	14.722	10.807	256.423	5173.577	256.423	5173.577
8/8/09	6:15:00	2310	14.723	10.809	256.421	5173.579	256.421	5173.579
8/8/09	6:20:00	2315	14.723	10.808	256.421	5173.579	256.421	5173.579
8/8/09	6:25:00	2320	14.719	10.807	256.431	5173.569	256.431	5173.569
8/8/09	6:30:00	2325	14.722	10.803	256.424	5173.576	256.424	5173.576
8/8/09	6:35:00	2330	14.729	10.805	256.408	5173.592	256.408	5173.592
8/8/09	6:40:00	2335	14.726	10.808	256.413	5173.587	256.413	5173.587

Appendix B-5. UMW-11 Water Level Data, Moore Ranch Supplemental Pump Testing

Date	Time	Elapsed Tin Minutes	SN#: 137877 PSI	SN#: 137877 Temp - C	SN#: 137877 DTW (ft btoc)	TOC Elev	Corrected	Corrected
						5430.000 GW Elevation	DTW	GW Elev
8/8/09	6:45:00	2340	14.728	10.799	256.409	5173.591	256.409	5173.591
8/8/09	6:50:00	2345	14.730	10.795	256.405	5173.595	256.405	5173.595
8/8/09	6:55:00	2350	14.728	10.795	256.408	5173.592	256.408	5173.592
8/8/09	7:00:00	2355	14.731	10.800	256.401	5173.599	256.401	5173.599
8/8/09	7:05:00	2360	14.732	10.802	256.399	5173.601	256.399	5173.601
8/8/09	7:10:00	2365	14.735	10.804	256.394	5173.606	256.394	5173.606
8/8/09	7:15:00	2370	14.735	10.803	256.394	5173.606	256.394	5173.606
8/8/09	7:20:00	2375	14.735	10.805	256.394	5173.606	256.394	5173.606
8/8/09	7:25:00	2380	14.736	10.804	256.392	5173.608	256.392	5173.608
8/8/09	7:30:00	2385	14.736	10.806	256.392	5173.608	256.392	5173.608
8/8/09	7:35:00	2390	14.734	10.807	256.395	5173.605	256.395	5173.605
8/8/09	7:40:00	2395	14.735	10.805	256.393	5173.607	256.393	5173.607
8/8/09	7:45:00	2400	14.734	10.807	256.396	5173.604	256.396	5173.604
8/8/09	7:50:00	2405	14.734	10.807	256.395	5173.605	256.395	5173.605
8/8/09	7:55:00	2410	14.734	10.804	256.396	5173.604	256.396	5173.604
8/8/09	8:00:00	2415	14.733	10.805	256.399	5173.601	256.399	5173.601
8/8/09	8:05:00	2420	14.733	10.805	256.397	5173.603	256.397	5173.603
8/8/09	8:10:00	2425	14.733	10.804	256.398	5173.602	256.398	5173.602
8/8/09	8:15:00	2430	14.734	10.801	256.397	5173.603	256.397	5173.603
8/8/09	8:20:00	2435	14.732	10.802	256.400	5173.600	256.400	5173.600
8/8/09	8:25:00	2440	14.732	10.803	256.400	5173.600	256.400	5173.600
8/8/09	8:30:00	2445	14.732	10.801	256.399	5173.601	256.399	5173.601
8/8/09	8:35:00	2450	14.731	10.803	256.402	5173.598	256.402	5173.598
8/8/09	8:40:00	2455	14.732	10.805	256.400	5173.600	256.400	5173.600
8/8/09	8:45:00	2460	14.731	10.798	256.403	5173.597	256.403	5173.597
8/8/09	8:50:00	2465	14.731	10.799	256.403	5173.597	256.403	5173.597
8/8/09	8:55:00	2470	14.730	10.798	256.404	5173.596	256.404	5173.596
8/8/09	9:00:00	2475	14.731	10.798	256.402	5173.598	256.402	5173.598
8/8/09	9:05:00	2480	14.730	10.796	256.404	5173.596	256.404	5173.596
8/8/09	9:10:00	2485	14.730	10.796	256.404	5173.596	256.404	5173.596
8/8/09	9:15:00	2490	14.730	10.796	256.405	5173.595	256.405	5173.595
8/8/09	9:20:00	2495	14.730	10.795	256.405	5173.595	256.405	5173.595
8/8/09	9:25:00	2500	14.729	10.800	256.406	5173.594	256.406	5173.594
8/8/09	9:30:00	2505	14.729	10.804	256.408	5173.592	256.408	5173.592
8/8/09	9:35:00	2510	14.728	10.799	256.410	5173.590	256.410	5173.590
8/8/09	9:40:00	2515	14.729	10.799	256.407	5173.593	256.407	5173.593
8/8/09	9:45:00	2520	14.728	10.799	256.409	5173.591	256.409	5173.591
8/8/09	9:50:00	2525	14.729	10.792	256.408	5173.592	256.408	5173.592
8/8/09	9:55:00	2530	14.727	10.793	256.411	5173.589	256.411	5173.589
8/8/09	10:00:00	2535	14.727	10.799	256.410	5173.590	256.410	5173.590
8/8/09	10:05:00	2540	14.728	10.801	256.410	5173.590	256.410	5173.590
8/8/09	10:10:00	2545	14.729	10.803	256.408	5173.592	256.408	5173.592
8/8/09	10:15:00	2550	14.727	10.804	256.411	5173.589	256.411	5173.589
8/8/09	10:20:00	2555	14.727	10.804	256.411	5173.589	256.411	5173.589
8/8/09	10:25:00	2560	14.727	10.805	256.412	5173.588	256.412	5173.588
8/8/09	10:30:00	2565	14.727	10.802	256.411	5173.589	256.411	5173.589
8/8/09	10:35:00	2570	14.726	10.805	256.413	5173.587	256.413	5173.587
8/8/09	10:40:00	2575	14.726	10.798	256.413	5173.587	256.413	5173.587
8/8/09	10:45:00	2580	14.726	10.792	256.414	5173.586	256.414	5173.586
8/8/09	10:50:00	2585	14.726	10.796	256.413	5173.587	256.413	5173.587
8/8/09	10:55:00	2590	14.725	10.794	256.417	5173.583	256.417	5173.583
8/8/09	11:00:00	2595	14.726	10.795	256.414	5173.586	256.414	5173.586

Appendix B-5. UMW-11 Water Level Data, Moore Ranch Supplemental Pump Testing

Date	Time	Elapsed Minutes	Tin SN#: PSI	SN#: Temp - C	SN#: DTW (ft btoc)	TOC Elev	Corrected	Corrected
						5430.000 GW Elevation	DTW	GW Elev
8/8/09	11:05:00	2600	14.725	10.799	256.417	5173.583	256.417	5173.583
8/8/09	11:10:00	2605	14.724	10.796	256.418	5173.582	256.418	5173.582
8/8/09	11:15:00	2610	14.724	10.796	256.418	5173.582	256.418	5173.582
8/8/09	11:20:00	2615	14.725	10.792	256.417	5173.583	256.417	5173.583
8/8/09	11:25:00	2620	14.724	10.792	256.418	5173.582	256.418	5173.582
8/8/09	11:30:00	2625	14.723	10.796	256.421	5173.579	256.421	5173.579
8/8/09	11:35:00	2630	14.724	10.799	256.418	5173.582	256.418	5173.582
8/8/09	11:40:00	2635	14.723	10.800	256.422	5173.578	256.422	5173.578
8/8/09	11:45:00	2640	14.724	10.798	256.419	5173.581	256.419	5173.581
8/8/09	11:50:00	2645	14.723	10.803	256.420	5173.580	256.420	5173.580
8/8/09	11:55:00	2650	14.722	10.802	256.423	5173.577	256.423	5173.577
8/8/09	12:00:00	2655	14.722	10.797	256.422	5173.578	256.422	5173.578
8/8/09	12:05:00	2660	14.724	10.797	256.419	5173.581	256.419	5173.581
8/8/09	12:10:00	2665	14.724	10.798	256.419	5173.581	256.419	5173.581
8/8/09	12:15:00	2670	14.722	10.804	256.423	5173.577	256.423	5173.577
8/8/09	12:20:00	2675	14.723	10.808	256.422	5173.578	256.422	5173.578
8/8/09	12:25:00	2680	14.723	10.804	256.421	5173.579	256.421	5173.579
8/8/09	12:30:00	2685	14.723	10.807	256.421	5173.579	256.421	5173.579
8/8/09	12:35:00	2690	14.723	10.808	256.421	5173.579	256.421	5173.579
8/8/09	12:40:00	2695	14.723	10.812	256.422	5173.578	256.422	5173.578
8/8/09	12:45:00	2700	14.723	10.812	256.421	5173.579	256.421	5173.579
8/8/09	12:50:00	2705	14.722	10.807	256.422	5173.578	256.422	5173.578
8/8/09	12:55:00	2710	14.723	10.809	256.422	5173.578	256.422	5173.578
8/8/09	13:00:00	2715	14.722	10.811	256.424	5173.576	256.424	5173.576
8/8/09	13:05:00	2720	14.721	10.802	256.424	5173.576	256.424	5173.576
8/8/09	13:10:00	2725	14.722	10.804	256.424	5173.576	256.424	5173.576
8/8/09	13:15:00	2730	14.722	10.806	256.423	5173.577	256.423	5173.577
8/8/09	13:20:00	2735	14.722	10.802	256.424	5173.576	256.424	5173.576
8/8/09	13:25:00	2740	14.722	10.802	256.423	5173.577	256.423	5173.577
8/8/09	13:30:00	2745	14.722	10.802	256.422	5173.578	256.422	5173.578
8/8/09	13:35:00	2750	14.721	10.798	256.425	5173.575	256.425	5173.575
8/8/09	13:40:00	2755	14.722	10.797	256.424	5173.576	256.424	5173.576
8/8/09	13:45:00	2760	14.723	10.795	256.420	5173.580	256.420	5173.580
8/8/09	13:50:00	2765	14.723	10.801	256.421	5173.579	256.421	5173.579
8/8/09	13:55:00	2770	14.722	10.805	256.422	5173.578	256.422	5173.578
8/8/09	14:00:00	2775	14.723	10.803	256.422	5173.578	256.422	5173.578
8/8/09	14:05:00	2780	14.723	10.804	256.422	5173.578	256.422	5173.578
8/8/09	14:10:00	2785	14.722	10.801	256.422	5173.578	256.422	5173.578
8/8/09	14:15:00	2790	14.722	10.805	256.422	5173.578	256.422	5173.578
8/8/09	14:20:00	2795	14.722	10.804	256.424	5173.576	256.424	5173.576
8/8/09	14:25:00	2800	14.723	10.802	256.422	5173.578	256.422	5173.578
8/8/09	14:30:00	2805	14.722	10.793	256.423	5173.577	256.423	5173.577
8/8/09	14:35:00	2810	14.723	10.795	256.421	5173.579	256.421	5173.579
8/8/09	14:40:00	2815	14.723	10.796	256.421	5173.579	256.421	5173.579
8/8/09	14:45:00	2820	14.723	10.797	256.421	5173.579	256.421	5173.579
8/8/09	14:50:00	2825	14.723	10.799	256.421	5173.579	256.421	5173.579
8/8/09	14:55:00	2830	14.722	10.796	256.423	5173.577	256.423	5173.577
8/8/09	15:00:00	2835	14.722	10.797	256.423	5173.577	256.423	5173.577
8/8/09	15:05:00	2840	14.722	10.797	256.423	5173.577	256.423	5173.577
8/8/09	15:10:00	2845	14.724	10.799	256.419	5173.581	256.419	5173.581
8/8/09	15:15:00	2850	14.724	10.797	256.418	5173.582	256.418	5173.582
8/8/09	15:20:00	2855	14.722	10.796	256.424	5173.576	256.424	5173.576

Appendix B-5. UMW-11 Water Level Data, Moore Ranch Supplemental Pump Testing

Date	Time	Elapsed Minutes	Tin SN#: PSI	SN#: 137877 Temp - C	SN#: 137877 DTW (ft btoc)	TOC Elev	Corrected DTW	Corrected GW Elev
						5430.000 GW Elevation		
8/8/09	15:25:00	2860	14.724	10.798	256.418	5173.582	256.418	5173.582
8/8/09	15:30:00	2865	14.738	10.800	256.385	5173.615	256.385	5173.615
8/8/09	15:35:00	2870	14.723	10.798	256.421	5173.579	256.421	5173.579
8/8/09	15:40:00	2875	14.728	10.801	256.410	5173.590	256.410	5173.590
8/8/09	15:45:00	2880	14.723	10.804	256.421	5173.579	256.421	5173.579
8/8/09	15:50:00	2885	14.724	10.806	256.419	5173.581	256.419	5173.581
8/8/09	15:55:00	2890	14.721	10.804	256.425	5173.575	256.425	5173.575
8/8/09	16:00:00	2895	14.723	10.804	256.421	5173.579	256.421	5173.579
8/8/09	16:05:00	2900	14.724	10.804	256.419	5173.581	256.419	5173.581
8/8/09	16:10:00	2905	14.723	10.802	256.421	5173.579	256.421	5173.579
8/8/09	16:15:00	2910	14.724	10.803	256.419	5173.581	256.419	5173.581
8/8/09	16:20:00	2915	14.723	10.804	256.421	5173.579	256.421	5173.579
8/8/09	16:25:00	2920	14.723	10.802	256.421	5173.579	256.421	5173.579
8/8/09	16:30:00	2925	14.723	10.802	256.421	5173.579	256.421	5173.579
8/8/09	16:35:00	2930	14.724	10.803	256.419	5173.581	256.419	5173.581
8/8/09	16:40:00	2935	14.724	10.803	256.418	5173.582	256.418	5173.582
8/8/09	16:45:00	2940	14.724	10.803	256.419	5173.581	256.419	5173.581
8/8/09	16:50:00	2945	14.725	10.803	256.416	5173.584	256.416	5173.584
8/8/09	16:55:00	2950	14.725	10.801	256.416	5173.584	256.416	5173.584
8/8/09	17:00:00	2955	14.726	10.804	256.413	5173.587	256.413	5173.587
8/8/09	17:05:00	2960	14.725	10.809	256.416	5173.584	256.416	5173.584
8/8/09	17:10:00	2965	14.726	10.809	256.414	5173.586	256.414	5173.586
8/8/09	17:15:00	2970	14.726	10.809	256.414	5173.586	256.414	5173.586
8/8/09	17:20:00	2975	14.728	10.811	256.410	5173.590	256.410	5173.590
8/8/09	17:25:00	2980	14.728	10.811	256.409	5173.591	256.409	5173.591
8/8/09	17:30:00	2985	14.728	10.805	256.409	5173.591	256.409	5173.591
8/8/09	17:35:00	2990	14.728	10.805	256.410	5173.590	256.410	5173.590
8/8/09	17:40:00	2995	14.728	10.800	256.409	5173.591	256.409	5173.591
8/8/09	17:45:00	3000	14.731	10.804	256.402	5173.598	256.402	5173.598
8/8/09	17:50:00	3005	14.727	10.804	256.412	5173.588	256.412	5173.588
8/8/09	17:55:00	3010	14.726	10.798	256.414	5173.586	256.414	5173.586
8/8/09	18:00:00	3015	14.730	10.796	256.405	5173.595	256.405	5173.595
8/8/09	18:05:00	3020	14.728	10.797	256.409	5173.591	256.409	5173.591
8/8/09	18:10:00	3025	14.730	10.793	256.405	5173.595	256.405	5173.595
8/8/09	18:15:00	3030	14.730	10.797	256.405	5173.595	256.405	5173.595
8/8/09	18:20:00	3035	14.728	10.806	256.408	5173.592	256.408	5173.592
8/8/09	18:25:00	3040	14.729	10.803	256.406	5173.594	256.406	5173.594
8/8/09	18:30:00	3045	14.731	10.796	256.403	5173.597	256.403	5173.597
8/8/09	18:35:00	3050	14.730	10.801	256.404	5173.596	256.404	5173.596
8/8/09	18:40:00	3055	14.730	10.796	256.405	5173.595	256.405	5173.595
8/8/09	18:45:00	3060	14.730	10.794	256.405	5173.595	256.405	5173.595
8/8/09	18:50:00	3065	14.730	10.792	256.405	5173.595	256.405	5173.595
8/8/09	18:55:00	3070	14.730	10.791	256.406	5173.594	256.406	5173.594
8/8/09	19:00:00	3075	14.731	10.793	256.403	5173.597	256.403	5173.597
8/8/09	19:05:00	3080	14.731	10.798	256.403	5173.597	256.403	5173.597
8/8/09	19:10:00	3085	14.731	10.799	256.401	5173.599	256.401	5173.599
8/8/09	19:15:00	3090	14.731	10.801	256.403	5173.597	256.403	5173.597
8/8/09	19:20:00	3095	14.730	10.804	256.404	5173.596	256.404	5173.596
8/8/09	19:25:00	3100	14.731	10.808	256.402	5173.598	256.402	5173.598
8/8/09	19:30:00	3105	14.732	10.810	256.401	5173.599	256.401	5173.599
8/8/09	19:35:00	3110	14.731	10.801	256.401	5173.599	256.401	5173.599
8/8/09	19:40:00	3115	14.732	10.802	256.400	5173.600	256.400	5173.600

Appendix B-5. UMW-11 Water Level Data, Moore Ranch Supplemental Pump Testing

Date	Time	Elapsed Minutes	Tin SN#: 1371 PSI	SN#: 137877 Temp - C	SN#: 137877 DTW (ft btoc)	TOC Elev	Corrected DTW	Corrected GW Elev
						5430.000 GW Elevation		
8/8/09	19:45:00	3120	14.731	10.802	256.402	5173.598	256.402	5173.598
8/8/09	19:50:00	3125	14.732	10.808	256.400	5173.600	256.400	5173.600
8/8/09	19:55:00	3130	14.732	10.811	256.400	5173.600	256.400	5173.600
8/8/09	20:00:00	3135	14.732	10.806	256.400	5173.600	256.400	5173.600
8/8/09	20:05:00	3140	14.731	10.802	256.402	5173.598	256.402	5173.598
8/8/09	20:10:00	3145	14.732	10.803	256.400	5173.600	256.400	5173.600
8/8/09	20:15:00	3150	14.731	10.805	256.403	5173.597	256.403	5173.597
8/8/09	20:20:00	3155	14.732	10.804	256.400	5173.600	256.400	5173.600
8/8/09	20:25:00	3160	14.732	10.804	256.400	5173.600	256.400	5173.600
8/8/09	20:30:00	3165	14.731	10.802	256.403	5173.597	256.403	5173.597
8/8/09	20:35:00	3170	14.730	10.803	256.404	5173.596	256.404	5173.596
8/8/09	20:40:00	3175	14.730	10.804	256.405	5173.595	256.405	5173.595
8/8/09	20:45:00	3180	14.731	10.801	256.403	5173.597	256.403	5173.597
8/8/09	20:50:00	3185	14.731	10.799	256.403	5173.597	256.403	5173.597
8/8/09	20:55:00	3190	14.730	10.800	256.406	5173.594	256.406	5173.594
8/8/09	21:00:00	3195	14.728	10.799	256.408	5173.592	256.408	5173.592
8/8/09	21:05:00	3200	14.729	10.798	256.408	5173.592	256.408	5173.592
8/8/09	21:10:00	3205	14.728	10.796	256.408	5173.592	256.408	5173.592
8/8/09	21:15:00	3210	14.728	10.801	256.410	5173.590	256.410	5173.590
8/8/09	21:20:00	3215	14.729	10.799	256.406	5173.594	256.406	5173.594
8/8/09	21:25:00	3220	14.729	10.795	256.408	5173.592	256.408	5173.592
8/8/09	21:30:00	3225	14.729	10.797	256.407	5173.593	256.407	5173.593
8/8/09	21:35:00	3230	14.729	10.798	256.408	5173.592	256.408	5173.592
8/8/09	21:40:00	3235	14.730	10.801	256.405	5173.595	256.405	5173.595
8/8/09	21:45:00	3240	14.729	10.801	256.406	5173.594	256.406	5173.594
8/8/09	21:50:00	3245	14.729	10.797	256.408	5173.592	256.408	5173.592
8/8/09	21:55:00	3250	14.730	10.803	256.405	5173.595	256.405	5173.595
8/8/09	22:00:00	3255	14.729	10.805	256.408	5173.592	256.408	5173.592
8/8/09	22:05:00	3260	14.729	10.805	256.407	5173.593	256.407	5173.593
8/8/09	22:10:00	3265	14.729	10.802	256.407	5173.593	256.407	5173.593
8/8/09	22:15:00	3270	14.728	10.802	256.408	5173.592	256.408	5173.592
8/8/09	22:20:00	3275	14.729	10.805	256.408	5173.592	256.408	5173.592
8/8/09	22:25:00	3280	14.729	10.805	256.408	5173.592	256.408	5173.592
8/8/09	22:30:00	3285	14.728	10.801	256.409	5173.591	256.409	5173.591
8/8/09	22:35:00	3290	14.728	10.796	256.410	5173.590	256.410	5173.590
8/8/09	22:40:00	3295	14.728	10.795	256.409	5173.591	256.409	5173.591
8/8/09	22:45:00	3300	14.726	10.798	256.414	5173.586	256.414	5173.586
8/8/09	22:50:00	3305	14.726	10.796	256.414	5173.586	256.414	5173.586
8/8/09	22:55:00	3310	14.725	10.796	256.416	5173.584	256.416	5173.584
8/8/09	23:00:00	3315	14.725	10.796	256.417	5173.583	256.417	5173.583
8/8/09	23:05:00	3320	14.725	10.803	256.416	5173.584	256.416	5173.584
8/8/09	23:10:00	3325	14.723	10.800	256.421	5173.579	256.421	5173.579
8/8/09	23:15:00	3330	14.723	10.801	256.421	5173.579	256.421	5173.579
8/8/09	23:20:00	3335	14.723	10.801	256.420	5173.580	256.420	5173.580
8/8/09	23:25:00	3340	14.724	10.798	256.419	5173.581	256.419	5173.581
8/8/09	23:30:00	3345	14.723	10.798	256.422	5173.578	256.422	5173.578
8/8/09	23:35:00	3350	14.722	10.803	256.424	5173.576	256.424	5173.576
8/8/09	23:40:00	3355	14.722	10.805	256.422	5173.578	256.422	5173.578
8/8/09	23:45:00	3360	14.721	10.809	256.425	5173.575	256.425	5173.575
8/8/09	23:50:00	3365	14.721	10.807	256.426	5173.574	256.426	5173.574
8/8/09	23:55:00	3370	14.720	10.802	256.429	5173.571	256.429	5173.571
8/9/09	0:00:00	3375	14.721	10.799	256.426	5173.574	256.426	5173.574

Appendix B-5. UMW-11 Water Level Data, Moore Ranch Supplemental Pump Testing

Date	Time	Elapsed Minutes	Tin PSI	SN#: 137877 Temp - C	SN#: 137877 DTW (ft btoc)	TOC Elev	Corrected DTW	Corrected GW Elev
						5430.000 GW Elevation		
8/9/09	0:05:00	3380	14.720	10.804	256.427	5173.573	256.427	5173.573
8/9/09	0:10:00	3385	14.720	10.802	256.428	5173.572	256.428	5173.572
8/9/09	0:15:00	3390	14.720	10.802	256.427	5173.573	256.427	5173.573
8/9/09	0:20:00	3395	14.721	10.799	256.426	5173.574	256.426	5173.574
8/9/09	0:25:00	3400	14.721	10.805	256.426	5173.574	256.426	5173.574
8/9/09	0:30:00	3405	14.718	10.800	256.432	5173.568	256.432	5173.568
8/9/09	0:35:00	3410	14.720	10.795	256.428	5173.572	256.428	5173.572
8/9/09	0:40:00	3415	14.719	10.796	256.431	5173.569	256.431	5173.569
8/9/09	0:45:00	3420	14.720	10.797	256.429	5173.571	256.429	5173.571
8/9/09	0:50:00	3425	14.719	10.799	256.430	5173.570	256.430	5173.570
8/9/09	0:55:00	3430	14.718	10.803	256.432	5173.568	256.432	5173.568
8/9/09	1:00:00	3435	14.719	10.801	256.430	5173.570	256.430	5173.570
8/9/09	1:05:00	3440	14.717	10.800	256.434	5173.566	256.434	5173.566
8/9/09	1:10:00	3445	14.718	10.800	256.432	5173.568	256.432	5173.568
8/9/09	1:15:00	3450	14.719	10.801	256.430	5173.570	256.430	5173.570
8/9/09	1:20:00	3455	14.718	10.805	256.432	5173.568	256.432	5173.568
8/9/09	1:25:00	3460	14.718	10.801	256.432	5173.568	256.432	5173.568
8/9/09	1:30:00	3465	14.717	10.802	256.434	5173.566	256.434	5173.566
8/9/09	1:35:00	3470	14.719	10.802	256.430	5173.570	256.430	5173.570
8/9/09	1:40:00	3475	14.718	10.802	256.431	5173.569	256.431	5173.569
8/9/09	1:45:00	3480	14.719	10.799	256.430	5173.570	256.430	5173.570
8/9/09	1:50:00	3485	14.718	10.795	256.432	5173.568	256.432	5173.568
8/9/09	1:55:00	3490	14.718	10.793	256.431	5173.569	256.431	5173.569
8/9/09	2:00:00	3495	14.719	10.792	256.430	5173.570	256.430	5173.570
8/9/09	2:05:00	3500	14.719	10.794	256.431	5173.569	256.431	5173.569
8/9/09	2:10:00	3505	14.719	10.794	256.431	5173.569	256.431	5173.569
8/9/09	2:15:00	3510	14.719	10.794	256.430	5173.570	256.430	5173.570
8/9/09	2:20:00	3515	14.720	10.791	256.428	5173.572	256.428	5173.572
8/9/09	2:25:00	3520	14.719	10.790	256.430	5173.570	256.430	5173.570
8/9/09	2:30:00	3525	14.720	10.793	256.429	5173.571	256.429	5173.571
8/9/09	2:35:00	3530	14.718	10.796	256.432	5173.568	256.432	5173.568
8/9/09	2:40:00	3535	14.720	10.796	256.429	5173.571	256.429	5173.571
8/9/09	2:45:00	3540	14.718	10.794	256.432	5173.568	256.432	5173.568
8/9/09	2:50:00	3545	14.719	10.794	256.430	5173.570	256.430	5173.570
8/9/09	2:55:00	3550	14.718	10.790	256.432	5173.568	256.432	5173.568
8/9/09	3:00:00	3555	14.719	10.790	256.430	5173.570	256.430	5173.570
8/9/09	3:05:00	3560	14.720	10.792	256.427	5173.573	256.427	5173.573
8/9/09	3:10:00	3565	14.719	10.795	256.429	5173.571	256.429	5173.571
8/9/09	3:15:00	3570	14.720	10.799	256.427	5173.573	256.427	5173.573
8/9/09	3:20:00	3575	14.720	10.803	256.427	5173.573	256.427	5173.573
8/9/09	3:25:00	3580	14.720	10.800	256.428	5173.572	256.428	5173.572
8/9/09	3:30:00	3585	14.719	10.796	256.429	5173.571	256.429	5173.571
8/9/09	3:35:00	3590	14.721	10.798	256.426	5173.574	256.426	5173.574
8/9/09	3:40:00	3595	14.719	10.799	256.429	5173.571	256.429	5173.571
8/9/09	3:45:00	3600	14.721	10.795	256.426	5173.574	256.426	5173.574
8/9/09	3:50:00	3605	14.721	10.794	256.426	5173.574	256.426	5173.574
8/9/09	3:55:00	3610	14.721	10.794	256.425	5173.575	256.425	5173.575
8/9/09	4:00:00	3615	14.721	10.792	256.426	5173.574	256.426	5173.574
8/9/09	4:05:00	3620	14.721	10.795	256.425	5173.575	256.425	5173.575
8/9/09	4:10:00	3625	14.722	10.799	256.424	5173.576	256.424	5173.576
8/9/09	4:15:00	3630	14.722	10.801	256.424	5173.576	256.424	5173.576
8/9/09	4:20:00	3635	14.721	10.803	256.425	5173.575	256.425	5173.575

Appendix B-5. UMW-11 Water Level Data, Moore Ranch Supplemental Pump Testing

Date	Time	Elapsed Minutes	Tin SN#: 1371 PSI	SN#: 137877 Temp - C	SN#: 137877 DTW (ft btoc)	TOC Elev	Corrected	Corrected
						5430.000 GW Elevation	DTW	GW Elev
8/9/09	4:25:00	3640	14.721	10.801	256.425	5173.575	256.425	5173.575
8/9/09	4:30:00	3645	14.721	10.793	256.425	5173.575	256.425	5173.575
8/9/09	4:35:00	3650	14.721	10.789	256.426	5173.574	256.426	5173.574
8/9/09	4:40:00	3655	14.721	10.796	256.425	5173.575	256.425	5173.575
8/9/09	4:45:00	3660	14.720	10.793	256.428	5173.572	256.428	5173.572
8/9/09	4:50:00	3665	14.721	10.791	256.424	5173.576	256.424	5173.576
8/9/09	4:55:00	3670	14.722	10.787	256.423	5173.577	256.423	5173.577
8/9/09	5:00:00	3675	14.722	10.786	256.423	5173.577	256.423	5173.577
8/9/09	5:05:00	3680	14.722	10.789	256.422	5173.578	256.422	5173.578
8/9/09	5:10:00	3685	14.724	10.787	256.420	5173.580	256.420	5173.580
8/9/09	5:15:00	3690	14.723	10.793	256.420	5173.580	256.420	5173.580
8/9/09	5:20:00	3695	14.723	10.797	256.421	5173.579	256.421	5173.579
8/9/09	5:25:00	3700	14.721	10.794	256.426	5173.574	256.426	5173.574
8/9/09	5:30:00	3705	14.728	10.795	256.410	5173.590	256.410	5173.590
8/9/09	5:35:00	3710	14.726	10.797	256.414	5173.586	256.414	5173.586
8/9/09	5:40:00	3715	14.727	10.795	256.412	5173.588	256.412	5173.588
8/9/09	5:45:00	3720	14.723	10.800	256.421	5173.579	256.421	5173.579
8/9/09	5:50:00	3725	14.721	10.800	256.425	5173.575	256.425	5173.575
8/9/09	5:55:00	3730	14.726	10.800	256.414	5173.586	256.414	5173.586
8/9/09	6:00:00	3735	14.724	10.799	256.419	5173.581	256.419	5173.581
8/9/09	6:05:00	3740	14.722	10.799	256.423	5173.577	256.423	5173.577
8/9/09	6:10:00	3745	14.725	10.795	256.416	5173.584	256.416	5173.584
8/9/09	6:15:00	3750	14.727	10.796	256.411	5173.589	256.411	5173.589
8/9/09	6:20:00	3755	14.727	10.794	256.410	5173.590	256.410	5173.590
8/9/09	6:25:00	3760	14.729	10.796	256.406	5173.594	256.406	5173.594
8/9/09	6:30:00	3765	14.734	10.797	256.395	5173.605	256.395	5173.605
8/9/09	6:35:00	3770	14.731	10.797	256.402	5173.598	256.402	5173.598
8/9/09	6:40:00	3775	14.734	10.794	256.394	5173.606	256.394	5173.606
8/9/09	6:45:00	3780	14.732	10.800	256.399	5173.601	256.399	5173.601
8/9/09	6:50:00	3785	14.730	10.797	256.404	5173.596	256.404	5173.596
8/9/09	6:55:00	3790	14.728	10.796	256.410	5173.590	256.410	5173.590
8/9/09	7:00:00	3795	14.728	10.799	256.409	5173.591	256.409	5173.591
8/9/09	7:05:00	3800	14.726	10.800	256.413	5173.587	256.413	5173.587
8/9/09	7:10:00	3805	14.729	10.793	256.407	5173.593	256.407	5173.593
8/9/09	7:15:00	3810	14.729	10.792	256.406	5173.594	256.406	5173.594
8/9/09	7:20:00	3815	14.730	10.792	256.404	5173.596	256.404	5173.596
8/9/09	7:25:00	3820	14.731	10.795	256.401	5173.599	256.401	5173.599
8/9/09	7:30:00	3825	14.730	10.797	256.405	5173.595	256.405	5173.595
8/9/09	7:35:00	3830	14.731	10.796	256.402	5173.598	256.402	5173.598
8/9/09	7:40:00	3835	14.733	10.797	256.399	5173.601	256.399	5173.601
8/9/09	7:45:00	3840	14.732	10.802	256.400	5173.600	256.400	5173.600
8/9/09	7:50:00	3845	14.732	10.803	256.401	5173.599	256.401	5173.599
8/9/09	7:55:00	3850	14.732	10.804	256.400	5173.600	256.400	5173.600
8/9/09	8:00:00	3855	14.730	10.807	256.404	5173.596	256.404	5173.596
8/9/09	8:05:00	3860	14.732	10.803	256.400	5173.600	256.400	5173.600
8/9/09	8:10:00	3865	14.731	10.798	256.401	5173.599	256.401	5173.599
8/9/09	8:15:00	3870	14.732	10.801	256.400	5173.600	256.400	5173.600
8/9/09	8:20:00	3875	14.732	10.805	256.400	5173.600	256.400	5173.600
8/9/09	8:25:00	3880	14.730	10.801	256.404	5173.596	256.404	5173.596
8/9/09	8:30:00	3885	14.731	10.800	256.403	5173.597	256.403	5173.597
8/9/09	8:35:00	3890	14.731	10.807	256.402	5173.598	256.402	5173.598
8/9/09	8:40:00	3895	14.731	10.799	256.401	5173.599	256.401	5173.599

Appendix B-5. UMW-11 Water Level Data, Moore Ranch Supplemental Pump Testing

Date	Time	Elapsed Tin Minutes	SN#: 137877 PSI	SN#: 137877 Temp - C	SN#: 137877 DTW (ft btoc)	TOC Elev	Corrected DTW	Corrected GW Elev
						5430.000 GW Elevation		
8/9/09	8:45:00	3900	14.730	10.801	256.405	5173.595	256.405	5173.595
8/9/09	8:50:00	3905	14.732	10.804	256.400	5173.600	256.400	5173.600
8/9/09	8:55:00	3910	14.730	10.808	256.404	5173.596	256.404	5173.596
8/9/09	9:00:00	3915	14.730	10.806	256.404	5173.596	256.404	5173.596
8/9/09	9:05:00	3920	14.731	10.805	256.401	5173.599	256.401	5173.599
8/9/09	9:10:00	3925	14.732	10.806	256.399	5173.601	256.399	5173.601
8/9/09	9:15:00	3930	14.733	10.807	256.398	5173.602	256.398	5173.602
8/9/09	9:20:00	3935	14.731	10.811	256.403	5173.597	256.403	5173.597
8/9/09	9:25:00	3940	14.732	10.805	256.400	5173.600	256.400	5173.600
8/9/09	9:30:00	3945	14.733	10.804	256.397	5173.603	256.397	5173.603
8/9/09	9:35:00	3950	14.734	10.802	256.396	5173.604	256.396	5173.604
8/9/09	9:40:00	3955	14.733	10.804	256.398	5173.602	256.398	5173.602
8/9/09	9:45:00	3960	14.730	10.804	256.404	5173.596	256.404	5173.596
8/9/09	9:50:00	3965	14.731	10.803	256.403	5173.597	256.403	5173.597
8/9/09	9:55:00	3970	14.727	10.801	256.412	5173.588	256.412	5173.588
8/9/09	10:00:00	3975	14.725	10.805	256.416	5173.584	256.416	5173.584
8/9/09	10:05:00	3980	14.726	10.799	256.413	5173.587	256.413	5173.587
8/9/09	10:10:00	3985	14.737	10.802	256.389	5173.611	256.389	5173.611
8/9/09	10:15:00	3990	14.733	10.801	256.398	5173.602	256.398	5173.602
8/9/09	10:20:00	3995	14.731	10.799	256.403	5173.597	256.403	5173.597
8/9/09	10:25:00	4000	14.732	10.802	256.401	5173.599	256.401	5173.599
8/9/09	10:30:00	4005	14.737	10.800	256.389	5173.611	256.389	5173.611
8/9/09	10:35:00	4010	14.734	10.800	256.395	5173.605	256.395	5173.605
8/9/09	10:40:00	4015	14.725	10.802	256.415	5173.585	256.415	5173.585
8/9/09	10:45:00	4020	14.731	10.795	256.401	5173.599	256.401	5173.599
8/9/09	10:50:00	4025	14.729	10.792	256.406	5173.594	256.406	5173.594
8/9/09	10:55:00	4030	14.730	10.795	256.405	5173.595	256.405	5173.595
8/9/09	11:00:00	4035	14.730	10.796	256.405	5173.595	256.405	5173.595
8/9/09	11:05:00	4040	14.729	10.799	256.406	5173.594	256.406	5173.594
8/9/09	11:10:00	4045	14.729	10.796	256.406	5173.594	256.406	5173.594
8/9/09	11:15:00	4050	14.728	10.799	256.408	5173.592	256.408	5173.592
8/9/09	11:20:00	4055	14.731	10.800	256.403	5173.597	256.403	5173.597
8/9/09	11:25:00	4060	14.729	10.800	256.406	5173.594	256.406	5173.594
8/9/09	11:30:00	4065	14.728	10.802	256.409	5173.591	256.409	5173.591
8/9/09	11:35:00	4070	14.726	10.798	256.413	5173.587	256.413	5173.587
8/9/09	11:40:00	4075	14.726	10.802	256.413	5173.587	256.413	5173.587
8/9/09	11:45:00	4080	14.726	10.798	256.413	5173.587	256.413	5173.587
8/9/09	11:50:00	4085	14.727	10.796	256.411	5173.589	256.411	5173.589
8/9/09	11:55:00	4090	14.725	10.787	256.416	5173.584	256.416	5173.584
8/9/09	12:00:00	4095	14.725	10.788	256.416	5173.584	256.416	5173.584
8/9/09	12:05:00	4100	14.726	10.788	256.413	5173.587	256.413	5173.587
8/9/09	12:10:00	4105	14.725	10.791	256.417	5173.583	256.417	5173.583
8/9/09	12:15:00	4110	14.726	10.796	256.414	5173.586	256.414	5173.586
8/9/09	12:20:00	4115	14.724	10.797	256.417	5173.583	256.417	5173.583
8/9/09	12:25:00	4120	14.725	10.798	256.417	5173.583	256.417	5173.583
8/9/09	12:30:00	4125	14.723	10.799	256.422	5173.578	256.422	5173.578
8/9/09	12:35:00	4130	14.725	10.801	256.416	5173.584	256.416	5173.584
8/9/09	12:40:00	4135	14.723	10.802	256.420	5173.580	256.420	5173.580
8/9/09	12:45:00	4140	14.722	10.799	256.423	5173.577	256.423	5173.577
8/9/09	12:50:00	4145	14.723	10.797	256.421	5173.579	256.421	5173.579
8/9/09	12:55:00	4150	14.724	10.795	256.419	5173.581	256.419	5173.581
8/9/09	13:00:00	4155	14.723	10.795	256.422	5173.578	256.422	5173.578

Appendix B-5. UMW-11 Water Level Data, Moore Ranch Supplemental Pump Testing

Date	Time	Elapsed Minutes	Tin SN#: 1371 PSI	SN#: 137877 Temp - C	SN#: 137877 DTW (ft btoc)	TOC Elev	Corrected	Corrected
						5430.000 GW Elevation	DTW	GW Elev
8/9/09	13:05:00	4160	14.722	10.792	256.424	5173.576	256.424	5173.576
8/9/09	13:10:00	4165	14.722	10.794	256.422	5173.578	256.422	5173.578
8/9/09	13:15:00	4170	14.721	10.793	256.425	5173.575	256.425	5173.575
8/9/09	13:20:00	4175	14.723	10.792	256.421	5173.579	256.421	5173.579
8/9/09	13:25:00	4180	14.721	10.796	256.426	5173.574	256.426	5173.574
8/9/09	13:30:00	4185	14.722	10.797	256.423	5173.577	256.423	5173.577
8/9/09	13:35:00	4190	14.721	10.798	256.426	5173.574	256.426	5173.574
8/9/09	13:40:00	4195	14.719	10.796	256.429	5173.571	256.429	5173.571
8/9/09	13:45:00	4200	14.720	10.799	256.428	5173.572	256.428	5173.572
8/9/09	13:50:00	4205	14.721	10.805	256.425	5173.575	256.425	5173.575
8/9/09	13:55:00	4210	14.720	10.799	256.428	5173.572	256.428	5173.572
8/9/09	14:00:00	4215	14.719	10.798	256.430	5173.570	256.430	5173.570
8/9/09	14:05:00	4220	14.718	10.800	256.431	5173.569	256.431	5173.569
8/9/09	14:10:00	4225	14.719	10.797	256.431	5173.569	256.431	5173.569
8/9/09	14:15:00	4230	14.721	10.799	256.426	5173.574	256.426	5173.574
8/9/09	14:20:00	4235	14.719	10.800	256.430	5173.570	256.430	5173.570
8/9/09	14:25:00	4240	14.717	10.802	256.434	5173.566	256.434	5173.566
8/9/09	14:30:00	4245	14.718	10.802	256.433	5173.567	256.433	5173.567
8/9/09	14:35:00	4250	14.717	10.807	256.435	5173.565	256.435	5173.565
8/9/09	14:40:00	4255	14.716	10.808	256.437	5173.563	256.437	5173.563
8/9/09	14:45:00	4260	14.718	10.805	256.433	5173.567	256.433	5173.567
8/9/09	14:50:00	4265	14.717	10.804	256.435	5173.565	256.435	5173.565
8/9/09	14:55:00	4270	14.717	10.804	256.434	5173.566	256.434	5173.566
8/9/09	15:00:00	4275	14.717	10.807	256.435	5173.565	256.435	5173.565
8/9/09	15:05:00	4280	14.720	10.805	256.428	5173.572	256.428	5173.572
8/9/09	15:10:00	4285	14.717	10.807	256.435	5173.565	256.435	5173.565
8/9/09	15:15:00	4290	14.716	10.810	256.436	5173.564	256.436	5173.564
8/9/09	15:20:00	4295	14.715	10.811	256.438	5173.562	256.438	5173.562
8/9/09	15:25:00	4300	14.717	10.808	256.435	5173.565	256.435	5173.565
8/9/09	15:30:00	4305	14.715	10.809	256.440	5173.560	256.440	5173.560
8/9/09	15:35:00	4310	14.717	10.811	256.435	5173.565	256.435	5173.565
8/9/09	15:40:00	4315	14.715	10.808	256.439	5173.561	256.439	5173.561
8/9/09	15:45:00	4320	14.717	10.812	256.435	5173.565	256.435	5173.565
8/9/09	15:50:00	4325	14.717	10.812	256.435	5173.565	256.435	5173.565
8/9/09	15:55:00	4330	14.717	10.808	256.434	5173.566	256.434	5173.566
8/9/09	16:00:00	4335	14.717	10.803	256.434	5173.566	256.434	5173.566
8/9/09	16:05:00	4340	14.716	10.808	256.437	5173.563	256.437	5173.563
8/9/09	16:10:00	4345	14.718	10.805	256.433	5173.567	256.433	5173.567
8/9/09	16:15:00	4350	14.718	10.807	256.432	5173.568	256.432	5173.568
8/9/09	16:20:00	4355	14.718	10.808	256.432	5173.568	256.432	5173.568
8/9/09	16:25:00	4360	14.717	10.812	256.435	5173.565	256.435	5173.565
8/9/09	16:30:00	4365	14.717	10.813	256.435	5173.565	256.435	5173.565
8/9/09	16:35:00	4370	14.717	10.813	256.435	5173.565	256.435	5173.565
8/9/09	16:40:00	4375	14.718	10.813	256.433	5173.567	256.433	5173.567
8/9/09	16:45:00	4380	14.718	10.808	256.432	5173.568	256.432	5173.568
8/9/09	16:50:00	4385	14.717	10.804	256.434	5173.566	256.434	5173.566
8/9/09	16:55:00	4390	14.719	10.806	256.430	5173.570	256.430	5173.570
8/9/09	17:00:00	4395	14.718	10.810	256.433	5173.567	256.433	5173.567
8/9/09	17:05:00	4400	14.720	10.810	256.428	5173.572	256.428	5173.572
8/9/09	17:10:00	4405	14.720	10.807	256.429	5173.571	256.429	5173.571
8/9/09	17:15:00	4410	14.720	10.807	256.428	5173.572	256.428	5173.572
8/9/09	17:20:00	4415	14.719	10.802	256.431	5173.569	256.431	5173.569

Appendix B-5. UMW-11 Water Level Data, Moore Ranch Supplemental Pump Testing

Date	Time	Elapsed Minutes	Tin SN#: PSI	137877 Temp - C	SN#: DTW (ft btoc)	TOC Elev	Corrected DTW	Corrected GW Elev
						5430.000 GW Elevation		
8/9/09	17:25:00	4420	14.719	10.798	256.429	5173.571	256.429	5173.571
8/9/09	17:30:00	4425	14.720	10.799	256.428	5173.572	256.428	5173.572
8/9/09	17:35:00	4430	14.720	10.799	256.427	5173.573	256.427	5173.573
8/9/09	17:40:00	4435	14.722	10.801	256.423	5173.577	256.423	5173.577
8/9/09	17:45:00	4440	14.720	10.796	256.428	5173.572	256.428	5173.572
8/9/09	17:50:00	4445	14.721	10.797	256.425	5173.575	256.425	5173.575
8/9/09	17:55:00	4450	14.721	10.797	256.426	5173.574	256.426	5173.574
8/9/09	18:00:00	4455	14.721	10.798	256.426	5173.574	256.426	5173.574
8/9/09	18:05:00	4460	14.722	10.802	256.422	5173.578	256.422	5173.578
8/9/09	18:10:00	4465	14.722	10.796	256.423	5173.577	256.423	5173.577
8/9/09	18:15:00	4470	14.722	10.803	256.424	5173.576	256.424	5173.576
8/9/09	18:20:00	4475	14.722	10.805	256.423	5173.577	256.423	5173.577
8/9/09	18:25:00	4480	14.722	10.805	256.424	5173.576	256.424	5173.576
8/9/09	18:30:00	4485	14.722	10.806	256.423	5173.577	256.423	5173.577
8/9/09	18:35:00	4490	14.721	10.810	256.424	5173.576	256.424	5173.576
8/9/09	18:40:00	4495	14.723	10.811	256.421	5173.579	256.421	5173.579
8/9/09	18:45:00	4500	14.722	10.809	256.423	5173.577	256.423	5173.577
8/9/09	18:50:00	4505	14.724	10.809	256.419	5173.581	256.419	5173.581
8/9/09	18:55:00	4510	14.723	10.809	256.420	5173.580	256.420	5173.580
8/9/09	19:00:00	4515	14.724	10.809	256.418	5173.582	256.418	5173.582
8/9/09	19:05:00	4520	14.724	10.809	256.419	5173.581	256.419	5173.581
8/9/09	19:10:00	4525	14.723	10.808	256.421	5173.579	256.421	5173.579
8/9/09	19:15:00	4530	14.723	10.808	256.420	5173.580	256.420	5173.580
8/9/09	19:20:00	4535	14.725	10.812	256.417	5173.583	256.417	5173.583
8/9/09	19:25:00	4540	14.725	10.808	256.417	5173.583	256.417	5173.583
8/9/09	19:30:00	4545	14.724	10.806	256.418	5173.582	256.418	5173.582
8/9/09	19:35:00	4550	14.724	10.800	256.419	5173.581	256.419	5173.581
8/9/09	19:40:00	4555	14.724	10.803	256.418	5173.582	256.418	5173.582
8/9/09	19:45:00	4560	14.724	10.801	256.418	5173.582	256.418	5173.582
8/9/09	19:50:00	4565	14.724	10.799	256.419	5173.581	256.419	5173.581
8/9/09	19:55:00	4570	14.725	10.800	256.416	5173.584	256.416	5173.584
8/9/09	20:00:00	4575	14.723	10.798	256.420	5173.580	256.420	5173.580
8/9/09	20:05:00	4580	14.724	10.800	256.419	5173.581	256.419	5173.581
8/9/09	20:10:00	4585	14.724	10.797	256.418	5173.582	256.418	5173.582
8/9/09	20:15:00	4590	14.725	10.803	256.417	5173.583	256.417	5173.583
8/9/09	20:20:00	4595	14.724	10.804	256.418	5173.582	256.418	5173.582
8/9/09	20:25:00	4600	14.724	10.804	256.418	5173.582	256.418	5173.582
8/9/09	20:30:00	4605	14.725	10.805	256.416	5173.584	256.416	5173.584
8/9/09	20:35:00	4610	14.725	10.808	256.416	5173.584	256.416	5173.584
8/9/09	20:40:00	4615	14.724	10.808	256.419	5173.581	256.419	5173.581
8/9/09	20:45:00	4620	14.724	10.808	256.418	5173.582	256.418	5173.582
8/9/09	20:50:00	4625	14.724	10.809	256.418	5173.582	256.418	5173.582
8/9/09	20:55:00	4630	14.724	10.806	256.418	5173.582	256.418	5173.582
8/9/09	21:00:00	4635	14.723	10.804	256.420	5173.580	256.420	5173.580
8/9/09	21:05:00	4640	14.724	10.804	256.418	5173.582	256.418	5173.582
8/9/09	21:10:00	4645	14.724	10.802	256.417	5173.583	256.417	5173.583
8/9/09	21:15:00	4650	14.724	10.797	256.419	5173.581	256.419	5173.581
8/9/09	21:20:00	4655	14.724	10.797	256.419	5173.581	256.419	5173.581
8/9/09	21:25:00	4660	14.723	10.795	256.421	5173.579	256.421	5173.579
8/9/09	21:30:00	4665	14.723	10.795	256.421	5173.579	256.421	5173.579
8/9/09	21:35:00	4670	14.724	10.798	256.417	5173.583	256.417	5173.583
8/9/09	21:40:00	4675	14.723	10.802	256.421	5173.579	256.421	5173.579

Appendix B-5. UMW-11 Water Level Data, Moore Ranch Supplemental Pump Testing

Date	Time	Elapsed Minutes	Tin SN# PSI	SN# Temp - C	SN# DTW (ft btoc)	TOC Elev	Corrected	Corrected
						5430.000 GW Elevation	DTW	GW Elev
8/9/09	21:45:00	4680	14.721	10.799	256.425	5173.575	256.425	5173.575
8/9/09	21:50:00	4685	14.721	10.797	256.425	5173.575	256.425	5173.575
8/9/09	21:55:00	4690	14.723	10.796	256.422	5173.578	256.422	5173.578
8/9/09	22:00:00	4695	14.722	10.797	256.423	5173.577	256.423	5173.577
8/9/09	22:05:00	4700	14.722	10.796	256.424	5173.576	256.424	5173.576
8/9/09	22:10:00	4705	14.722	10.795	256.423	5173.577	256.423	5173.577
8/9/09	22:15:00	4710	14.721	10.796	256.425	5173.575	256.425	5173.575
8/9/09	22:20:00	4715	14.722	10.796	256.423	5173.577	256.423	5173.577
8/9/09	22:25:00	4720	14.721	10.794	256.425	5173.575	256.425	5173.575
8/9/09	22:30:00	4725	14.721	10.796	256.426	5173.574	256.426	5173.574
8/9/09	22:35:00	4730	14.719	10.796	256.429	5173.571	256.429	5173.571
8/9/09	22:40:00	4735	14.720	10.793	256.428	5173.572	256.428	5173.572
8/9/09	22:45:00	4740	14.719	10.790	256.429	5173.571	256.429	5173.571
8/9/09	22:50:00	4745	14.720	10.797	256.427	5173.573	256.427	5173.573
8/9/09	22:55:00	4750	14.720	10.801	256.429	5173.571	256.429	5173.571
8/9/09	23:00:00	4755	14.719	10.792	256.429	5173.571	256.429	5173.571
8/9/09	23:05:00	4760	14.718	10.793	256.432	5173.568	256.432	5173.568
8/9/09	23:10:00	4765	14.719	10.797	256.431	5173.569	256.431	5173.569
8/9/09	23:15:00	4770	14.718	10.794	256.432	5173.568	256.432	5173.568
8/9/09	23:20:00	4775	14.719	10.796	256.431	5173.569	256.431	5173.569
8/9/09	23:25:00	4780	14.717	10.796	256.435	5173.565	256.435	5173.565
8/9/09	23:30:00	4785	14.718	10.796	256.432	5173.568	256.432	5173.568
8/9/09	23:35:00	4790	14.718	10.793	256.433	5173.567	256.433	5173.567
8/9/09	23:40:00	4795	14.716	10.796	256.438	5173.563	256.438	5173.563
8/9/09	23:45:00	4800	14.716	10.801	256.436	5173.564	256.436	5173.564
8/9/09	23:50:00	4805	14.717	10.804	256.434	5173.566	256.434	5173.566
8/9/09	23:55:00	4810	14.717	10.801	256.436	5173.564	256.436	5173.564
8/10/09	0:00:00	4815	14.716	10.802	256.438	5173.562	256.438	5173.562
8/10/09	0:05:00	4820	14.716	10.802	256.436	5173.564	256.436	5173.564
8/10/09	0:10:00	4825	14.715	10.806	256.439	5173.561	256.439	5173.561
8/10/09	0:15:00	4830	14.715	10.805	256.439	5173.561	256.439	5173.561
8/10/09	0:20:00	4835	14.715	10.793	256.439	5173.561	256.439	5173.561
8/10/09	0:25:00	4840	14.715	10.794	256.440	5173.560	256.440	5173.560
8/10/09	0:30:00	4845	14.716	10.796	256.438	5173.562	256.438	5173.562
8/10/09	0:35:00	4850	14.715	10.798	256.440	5173.560	256.440	5173.560
8/10/09	0:40:00	4855	14.715	10.797	256.440	5173.560	256.440	5173.560
8/10/09	0:45:00	4860	14.714	10.804	256.442	5173.558	256.442	5173.558
8/10/09	0:50:00	4865	14.714	10.801	256.441	5173.559	256.441	5173.559
8/10/09	0:55:00	4870	14.713	10.803	256.443	5173.557	256.443	5173.557
8/10/09	1:00:00	4875	14.713	10.804	256.444	5173.556	256.444	5173.556
8/10/09	1:05:00	4880	14.712	10.803	256.445	5173.555	256.445	5173.555
8/10/09	1:10:00	4885	14.712	10.799	256.446	5173.554	256.446	5173.554
8/10/09	1:15:00	4890	14.713	10.801	256.444	5173.556	256.444	5173.556
8/10/09	1:20:00	4895	14.712	10.808	256.445	5173.555	256.445	5173.555
8/10/09	1:25:00	4900	14.711	10.811	256.449	5173.551	256.449	5173.551
8/10/09	1:30:00	4905	14.710	10.809	256.450	5173.550	256.450	5173.550
8/10/09	1:35:00	4910	14.711	10.807	256.447	5173.553	256.447	5173.553
8/10/09	1:40:00	4915	14.712	10.801	256.446	5173.554	256.446	5173.554
8/10/09	1:45:00	4920	14.713	10.811	256.445	5173.555	256.445	5173.555
8/10/09	1:50:00	4925	14.711	10.811	256.448	5173.552	256.448	5173.552
8/10/09	1:55:00	4930	14.712	10.813	256.447	5173.553	256.447	5173.553
8/10/09	2:00:00	4935	14.711	10.810	256.448	5173.552	256.448	5173.552

Appendix B-5. UMW-11 Water Level Data, Moore Ranch Supplemental Pump Testing

Date	Time	Elapsed Time Minutes	SN#: 137877 PSI	SN#: 137877 Temp - C	SN#: 137877 DTW (ft btoc)	TOC Elev	Corrected DTW	Corrected GW Elev
						5430.000 GW Elevation		
8/10/09	2:05:00	4940	14.712	10.807	256.446	5173.554	256.446	5173.554
8/10/09	2:10:00	4945	14.711	10.806	256.449	5173.551	256.449	5173.551
8/10/09	2:15:00	4950	14.710	10.803	256.450	5173.550	256.450	5173.550
8/10/09	2:20:00	4955	14.711	10.805	256.447	5173.553	256.447	5173.553
8/10/09	2:25:00	4960	14.711	10.805	256.448	5173.552	256.448	5173.552
8/10/09	2:30:00	4965	14.711	10.803	256.448	5173.552	256.448	5173.552
8/10/09	2:35:00	4970	14.711	10.806	256.448	5173.552	256.448	5173.552
8/10/09	2:40:00	4975	14.711	10.806	256.450	5173.550	256.450	5173.550
8/10/09	2:45:00	4980	14.711	10.804	256.449	5173.551	256.449	5173.551
8/10/09	2:50:00	4985	14.711	10.802	256.449	5173.551	256.449	5173.551
8/10/09	2:55:00	4990	14.711	10.807	256.449	5173.551	256.449	5173.551
8/10/09	3:00:00	4995	14.711	10.807	256.449	5173.551	256.449	5173.551
8/10/09	3:05:00	5000	14.710	10.806	256.451	5173.549	256.451	5173.549
8/10/09	3:10:00	5005	14.710	10.804	256.451	5173.549	256.451	5173.549
8/10/09	3:15:00	5010	14.709	10.802	256.453	5173.547	256.453	5173.547
8/10/09	3:20:00	5015	14.710	10.801	256.452	5173.548	256.452	5173.548
8/10/09	3:25:00	5020	14.710	10.801	256.452	5173.548	256.452	5173.548
8/10/09	3:30:00	5025	14.711	10.800	256.449	5173.551	256.449	5173.551
8/10/09	3:35:00	5030	14.710	10.799	256.451	5173.549	256.451	5173.549
8/10/09	3:40:00	5035	14.711	10.796	256.449	5173.551	256.449	5173.551
8/10/09	3:45:00	5040	14.708	10.799	256.454	5173.546	256.454	5173.546
8/10/09	3:50:00	5045	14.710	10.797	256.451	5173.549	256.451	5173.549
8/10/09	3:55:00	5050	14.709	10.799	256.453	5173.547	256.453	5173.547
8/10/09	4:00:00	5055	14.710	10.802	256.450	5173.550	256.450	5173.550
8/10/09	4:05:00	5060	14.710	10.803	256.451	5173.549	256.451	5173.549
8/10/09	4:10:00	5065	14.710	10.800	256.450	5173.550	256.450	5173.550
8/10/09	4:15:00	5070	14.710	10.798	256.451	5173.549	256.451	5173.549
8/10/09	4:20:00	5075	14.709	10.804	256.453	5173.547	256.453	5173.547
8/10/09	4:25:00	5080	14.710	10.807	256.451	5173.549	256.451	5173.549
8/10/09	4:30:00	5085	14.709	10.804	256.453	5173.547	256.453	5173.547
8/10/09	4:35:00	5090	14.710	10.807	256.451	5173.549	256.451	5173.549
8/10/09	4:40:00	5095	14.710	10.806	256.450	5173.550	256.450	5173.550
8/10/09	4:45:00	5100	14.709	10.805	256.452	5173.548	256.452	5173.548
8/10/09	4:50:00	5105	14.710	10.804	256.451	5173.549	256.451	5173.549
8/10/09	4:55:00	5110	14.710	10.800	256.450	5173.550	256.450	5173.550
8/10/09	5:00:00	5115	14.709	10.807	256.453	5173.547	256.453	5173.547
8/10/09	5:05:00	5120	14.710	10.806	256.450	5173.550	256.450	5173.550
8/10/09	5:10:00	5125	14.709	10.809	256.453	5173.547	256.453	5173.547
8/10/09	5:15:00	5130	14.710	10.806	256.450	5173.550	256.450	5173.550
8/10/09	5:20:00	5135	14.712	10.804	256.447	5173.553	256.447	5173.553
8/10/09	5:25:00	5140	14.711	10.803	256.449	5173.551	256.449	5173.551
8/10/09	5:30:00	5145	14.711	10.801	256.448	5173.552	256.448	5173.552
8/10/09	5:35:00	5150	14.712	10.802	256.446	5173.554	256.446	5173.554
8/10/09	5:40:00	5155	14.711	10.803	256.449	5173.551	256.449	5173.551
8/10/09	5:45:00	5160	14.712	10.802	256.447	5173.553	256.447	5173.553
8/10/09	5:50:00	5165	14.713	10.798	256.445	5173.555	256.445	5173.555
8/10/09	5:55:00	5170	14.711	10.796	256.448	5173.552	256.448	5173.552
8/10/09	6:00:00	5175	14.711	10.797	256.449	5173.551	256.449	5173.551
8/10/09	6:05:00	5180	14.713	10.802	256.444	5173.556	256.444	5173.556
8/10/09	6:10:00	5185	14.712	10.796	256.447	5173.553	256.447	5173.553
8/10/09	6:15:00	5190	14.713	10.791	256.443	5173.557	256.443	5173.557
8/10/09	6:20:00	5195	14.712	10.795	256.445	5173.555	256.445	5173.555

Appendix B-5. UMW-11 Water Level Data, Moore Ranch Supplemental Pump Testing

Date	Time	Elapsed Minutes	Tin SN#: 1371 PSI	SN#: 137877 Temp - C	SN#: 137877 DTW (ft btoc)	TOC Elev	Corrected	Corrected
						5430.000 GW Elevation	DTW	GW Elev
8/10/09	6:25:00	5200	14.712	10.797	256.446	5173.554	256.446	5173.554
8/10/09	6:30:00	5205	14.712	10.796	256.446	5173.554	256.446	5173.554
8/10/09	6:35:00	5210	14.713	10.793	256.445	5173.555	256.445	5173.555
8/10/09	6:40:00	5215	14.713	10.791	256.444	5173.556	256.444	5173.556
8/10/09	6:45:00	5220	14.713	10.789	256.445	5173.555	256.445	5173.555
8/10/09	6:50:00	5225	14.713	10.790	256.445	5173.555	256.445	5173.555
8/10/09	6:55:00	5230	14.712	10.793	256.447	5173.553	256.447	5173.553
8/10/09	7:00:00	5235	14.713	10.793	256.445	5173.555	256.445	5173.555
8/10/09	7:05:00	5240	14.712	10.794	256.446	5173.554	256.446	5173.554
8/10/09	7:10:00	5245	14.711	10.796	256.448	5173.552	256.448	5173.552
8/10/09	7:15:00	5250	14.713	10.795	256.445	5173.555	256.445	5173.555
8/10/09	7:20:00	5255	14.712	10.798	256.445	5173.555	256.445	5173.555
8/10/09	7:25:00	5260	14.712	10.797	256.446	5173.554	256.446	5173.554
8/10/09	7:30:00	5265	14.713	10.799	256.444	5173.556	256.444	5173.556
8/10/09	7:35:00	5270	14.712	10.797	256.445	5173.555	256.445	5173.555
8/10/09	7:40:00	5275	14.713	10.798	256.444	5173.556	256.444	5173.556
8/10/09	7:45:00	5280	14.712	10.797	256.445	5173.555	256.445	5173.555
8/10/09	7:50:00	5285	14.712	10.796	256.447	5173.553	256.447	5173.553
8/10/09	7:55:00	5290	14.713	10.798	256.444	5173.556	256.444	5173.556
8/10/09	8:00:00	5295	14.712	10.798	256.446	5173.554	256.446	5173.554
8/10/09	8:05:00	5300	14.713	10.801	256.444	5173.556	256.444	5173.556
8/10/09	8:10:00	5305	14.712	10.804	256.445	5173.555	256.445	5173.555
8/10/09	8:15:00	5310	14.713	10.801	256.444	5173.556	256.444	5173.556
8/10/09	8:20:00	5315	14.713	10.803	256.444	5173.556	256.444	5173.556
8/10/09	8:25:00	5320	14.712	10.806	256.447	5173.553	256.447	5173.553
8/10/09	8:30:00	5325	14.712	10.802	256.446	5173.554	256.446	5173.554
8/10/09	8:35:00	5330	14.713	10.803	256.445	5173.555	256.445	5173.555
8/10/09	8:40:00	5335	14.712	10.800	256.446	5173.554	256.446	5173.554
8/10/09	8:45:00	5340	14.712	10.802	256.446	5173.554	256.446	5173.554
8/10/09	8:50:00	5345	14.713	10.807	256.445	5173.555	256.445	5173.555
8/10/09	8:55:00	5350	14.711	10.805	256.448	5173.552	256.448	5173.552
8/10/09	9:00:00	5355	14.713	10.804	256.444	5173.556	256.444	5173.556
8/10/09	9:05:00	5360	14.712	10.809	256.446	5173.554	256.446	5173.554
8/10/09	9:10:00	5365	14.713	10.806	256.445	5173.555	256.445	5173.555
8/10/09	9:15:00	5370	14.713	10.804	256.445	5173.555	256.445	5173.555
8/10/09	9:20:00	5375	14.713	10.810	256.444	5173.556	256.444	5173.556
8/10/09	9:25:00	5380	14.711	10.806	256.448	5173.552	256.448	5173.552
8/10/09	9:30:00	5385	14.713	10.804	256.443	5173.557	256.443	5173.557
8/10/09	9:35:00	5390	14.714	10.802	256.441	5173.559	256.441	5173.559
8/10/09	9:40:00	5395	14.713	10.798	256.444	5173.556	256.444	5173.556
8/10/09	9:45:00	5400	14.714	10.804	256.441	5173.559	256.441	5173.559
8/10/09	9:50:00	5405	14.712	10.806	256.446	5173.554	256.446	5173.554
8/10/09	9:55:00	5410	14.713	10.804	256.445	5173.555	256.445	5173.555
8/10/09	10:00:00	5415	14.713	10.799	256.445	5173.555	256.445	5173.555
8/10/09	10:05:00	5420	14.713	10.799	256.445	5173.555	256.445	5173.555
8/10/09	10:10:00	5425	14.713	10.802	256.445	5173.555	256.445	5173.555
8/10/09	10:15:00	5430	14.712	10.799	256.447	5173.553	256.447	5173.553
8/10/09	10:20:00	5435	14.713	10.803	256.445	5173.555	256.445	5173.555
8/10/09	10:25:00	5440	14.712	10.805	256.447	5173.553	256.447	5173.553
8/10/09	10:30:00	5445	14.711	10.804	256.448	5173.552	256.448	5173.552
8/10/09	10:35:00	5450	14.711	10.804	256.447	5173.553	256.447	5173.553
8/10/09	10:40:00	5455	14.713	10.801	256.445	5173.555	256.445	5173.555

Appendix B-5. UMW-11 Water Level Data, Moore Ranch Supplemental Pump Testing

Date	Time	Elapsed Minutes	Tin SN#: PSI	1377 Temp - C	SN#: 137877 DTW (ft btoc)	TOC Elev	Corrected DTW	Corrected GW Elev
						5430.000 GW Elevation		
8/10/09	10:45:00	5460	14.710	10.803	256.450	5173.550	256.450	5173.550
8/10/09	10:50:00	5465	14.712	10.804	256.446	5173.554	256.446	5173.554
8/10/09	10:55:00	5470	14.711	10.804	256.448	5173.552	256.448	5173.552
8/10/09	11:00:00	5475	14.710	10.803	256.451	5173.549	256.451	5173.549
8/10/09	11:05:00	5480	14.710	10.805	256.450	5173.550	256.450	5173.550
8/10/09	11:10:00	5485	14.710	10.804	256.450	5173.550	256.450	5173.550
8/10/09	11:15:00	5490	14.711	10.806	256.448	5173.552	256.448	5173.552
8/10/09	11:20:00	5495	14.711	10.802	256.447	5173.553	256.447	5173.553
8/10/09	11:25:00	5500	14.710	10.803	256.451	5173.549	256.451	5173.549
8/10/09	11:30:00	5505	14.710	10.803	256.451	5173.549	256.451	5173.549
8/10/09	11:35:00	5510	14.710	10.801	256.452	5173.548	256.452	5173.548
8/10/09	11:40:00	5515	14.711	10.807	256.449	5173.551	256.449	5173.551
8/10/09	11:45:00	5520	14.709	10.806	256.452	5173.548	256.452	5173.548
8/10/09	11:50:00	5525	14.711	10.805	256.449	5173.551	256.449	5173.551
8/10/09	11:55:00	5530	14.710	10.803	256.451	5173.549	256.451	5173.549
8/10/09	12:00:00	5535	14.709	10.807	256.453	5173.547	256.453	5173.547
8/10/09	12:05:00	5540	14.709	10.805	256.453	5173.547	256.453	5173.547
8/10/09	12:10:00	5545	14.711	10.801	256.449	5173.551	256.449	5173.551
8/10/09	12:15:00	5550	14.709	10.799	256.454	5173.546	256.454	5173.546
8/10/09	12:20:00	5555	14.710	10.804	256.451	5173.549	256.451	5173.549
8/10/09	12:25:00	5560	14.710	10.806	256.450	5173.550	256.450	5173.550
8/10/09	12:30:00	5565	14.709	10.804	256.452	5173.548	256.452	5173.548
8/10/09	12:35:00	5570	14.710	10.805	256.451	5173.549	256.451	5173.549
8/10/09	12:40:00	5575	14.710	10.804	256.451	5173.549	256.451	5173.549
8/10/09	12:45:00	5580	14.710	10.802	256.451	5173.549	256.451	5173.549
8/10/09	12:50:00	5585	14.709	10.800	256.452	5173.548	256.452	5173.548
8/10/09	12:55:00	5590	14.709	10.801	256.453	5173.547	256.453	5173.547
8/10/09	13:00:00	5595	14.710	10.803	256.451	5173.549	256.451	5173.549
8/10/09	13:05:00	5600	14.709	10.803	256.453	5173.547	256.453	5173.547
8/10/09	13:10:00	5605	14.709	10.801	256.454	5173.546	256.454	5173.546
8/10/09	13:15:00	5610	14.708	10.801	256.456	5173.544	256.456	5173.544
8/10/09	13:20:00	5615	14.709	10.802	256.453	5173.547	256.453	5173.547
8/10/09	13:25:00	5620	14.709	10.799	256.454	5173.546	256.454	5173.546
8/10/09	13:30:00	5625	14.708	10.802	256.455	5173.545	256.455	5173.545
8/10/09	13:35:00	5630	14.709	10.801	256.454	5173.546	256.454	5173.546
8/10/09	13:40:00	5635	14.708	10.793	256.454	5173.546	256.454	5173.546
8/10/09	13:45:00	5640	14.708	10.804	256.456	5173.544	256.456	5173.544
8/10/09	13:50:00	5645	14.708	10.806	256.456	5173.544	256.456	5173.544
8/10/09	13:55:00	5650	14.709	10.803	256.454	5173.546	256.454	5173.546
8/10/09	14:00:00	5655	14.708	10.800	256.455	5173.545	256.455	5173.545
8/10/09	14:05:00	5660	14.708	10.800	256.455	5173.545	256.455	5173.545
8/10/09	14:10:00	5665	14.708	10.801	256.456	5173.544	256.456	5173.544
8/10/09	14:15:00	5670	14.709	10.803	256.454	5173.546	256.454	5173.546
8/10/09	14:20:00	5675	14.709	10.805	256.452	5173.548	256.452	5173.548
8/10/09	14:25:00	5680	14.708	10.802	256.456	5173.544	256.456	5173.544
8/10/09	14:30:00	5685	14.709	10.797	256.454	5173.546	256.454	5173.546
8/10/09	14:35:00	5690	14.708	10.798	256.455	5173.545	256.455	5173.545
8/10/09	14:40:00	5695	14.709	10.794	256.454	5173.546	256.454	5173.546
8/10/09	14:45:00	5700	14.707	10.794	256.457	5173.543	256.457	5173.543
8/10/09	14:50:00	5705	14.709	10.795	256.452	5173.548	256.452	5173.548
8/10/09	14:55:00	5710	14.708	10.797	256.456	5173.544	256.456	5173.544
8/10/09	15:00:00	5715	14.708	10.798	256.456	5173.544	256.456	5173.544

Appendix B-5. UMW-11 Water Level Data, Moore Ranch Supplemental Pump Testing

Date	Time	Elapsed Minutes	Tin SN#: 1371 PSI	SN#: 137877 Temp - C	SN#: 137877 DTW (ft btoc)	TOC Elev	Corrected	Corrected
						5430.000 GW Elevation	DTW	GW Elev
8/10/09	15:05:00	5720	14.708	10.800	256.456	5173.544	256.456	5173.544
8/10/09	15:10:00	5725	14.707	10.800	256.458	5173.542	256.458	5173.542
8/10/09	15:15:00	5730	14.706	10.798	256.459	5173.541	256.459	5173.541
8/10/09	15:20:00	5735	14.707	10.797	256.457	5173.543	256.457	5173.543
8/10/09	15:25:00	5740	14.708	10.794	256.455	5173.545	256.455	5173.545
8/10/09	15:30:00	5745	14.708	10.800	256.455	5173.545	256.455	5173.545
8/10/09	15:35:00	5750	14.709	10.801	256.454	5173.546	256.454	5173.546
8/10/09	15:40:00	5755	14.709	10.802	256.454	5173.546	256.454	5173.546
8/10/09	15:45:00	5760	14.708	10.800	256.456	5173.544	256.456	5173.544
8/10/09	15:50:00	5765	14.709	10.801	256.453	5173.547	256.453	5173.547
8/10/09	15:55:00	5770	14.708	10.803	256.457	5173.543	256.457	5173.543
8/10/09	16:00:00	5775	14.708	10.804	256.455	5173.545	256.455	5173.545
8/10/09	16:05:00	5780	14.709	10.803	256.454	5173.546	256.454	5173.546
8/10/09	16:10:00	5785	14.708	10.798	256.454	5173.546	256.454	5173.546
8/10/09	16:15:00	5790	14.710	10.794	256.450	5173.550	256.450	5173.550
8/10/09	16:20:00	5795	14.709	10.792	256.453	5173.547	256.453	5173.547
8/10/09	16:25:00	5800	14.708	10.794	256.456	5173.544	256.456	5173.544
8/10/09	16:30:00	5805	14.710	10.797	256.450	5173.550	256.450	5173.550
8/10/09	16:35:00	5810	14.710	10.800	256.452	5173.548	256.452	5173.548
8/10/09	16:40:00	5815	14.711	10.799	256.448	5173.552	256.448	5173.552
8/10/09	16:45:00	5820	14.710	10.801	256.451	5173.549	256.451	5173.549
8/10/09	16:50:00	5825	14.711	10.808	256.449	5173.551	256.449	5173.551
8/10/09	16:55:00	5830	14.710	10.809	256.452	5173.548	256.452	5173.548
8/10/09	17:00:00	5835	14.710	10.796	256.451	5173.549	256.451	5173.549
8/10/09	17:05:00	5840	14.709	10.803	256.454	5173.546	256.454	5173.546
8/10/09	17:10:00	5845	14.709	10.806	256.452	5173.548	256.452	5173.548
8/10/09	17:15:00	5850	14.711	10.806	256.449	5173.551	256.449	5173.551
8/10/09	17:20:00	5855	14.710	10.800	256.452	5173.548	256.452	5173.548
8/10/09	17:25:00	5860	14.712	10.801	256.447	5173.553	256.447	5173.553
8/10/09	17:30:00	5865	14.710	10.803	256.450	5173.550	256.450	5173.550
8/10/09	17:35:00	5870	14.711	10.802	256.448	5173.552	256.448	5173.552
8/10/09	17:40:00	5875	14.710	10.802	256.450	5173.550	256.450	5173.550
8/10/09	17:45:00	5880	14.711	10.802	256.448	5173.552	256.448	5173.552
8/10/09	17:50:00	5885	14.711	10.807	256.448	5173.552	256.448	5173.552
8/10/09	17:55:00	5890	14.711	10.806	256.448	5173.552	256.448	5173.552
8/10/09	18:00:00	5895	14.711	10.804	256.448	5173.552	256.448	5173.552
8/10/09	18:05:00	5900	14.711	10.800	256.448	5173.552	256.448	5173.552
8/10/09	18:10:00	5905	14.712	10.797	256.447	5173.553	256.447	5173.553
8/10/09	18:15:00	5910	14.711	10.796	256.448	5173.552	256.448	5173.552
8/10/09	18:20:00	5915	14.713	10.801	256.444	5173.556	256.444	5173.556
8/10/09	18:25:00	5920	14.712	10.796	256.445	5173.555	256.445	5173.555
8/10/09	18:30:00	5925	14.712	10.792	256.445	5173.555	256.445	5173.555
8/10/09	18:35:00	5930	14.712	10.790	256.447	5173.553	256.447	5173.553
8/10/09	18:40:00	5935	14.712	10.788	256.446	5173.554	256.446	5173.554
8/10/09	18:45:00	5940	14.713	10.793	256.444	5173.556	256.444	5173.556
8/10/09	18:50:00	5945	14.713	10.795	256.444	5173.556	256.444	5173.556
8/10/09	18:55:00	5950	14.713	10.796	256.445	5173.555	256.445	5173.555
8/10/09	19:00:00	5955	14.713	10.800	256.444	5173.556	256.444	5173.556
8/10/09	19:05:00	5960	14.713	10.802	256.444	5173.556	256.444	5173.556
8/10/09	19:10:00	5965	14.713	10.804	256.444	5173.556	256.444	5173.556
8/10/09	19:15:00	5970	14.713	10.806	256.444	5173.556	256.444	5173.556
8/10/09	19:20:00	5975	14.712	10.808	256.446	5173.554	256.446	5173.554

Appendix B-5. UMW-11 Water Level Data, Moore Ranch Supplemental Pump Testing

Date	Time	Elapsed Tin Minutes	SN#: 1371 PSI	SN#: 137877 Temp - C	SN#: 137877 DTW (ft btoc)	TOC Elev	Corrected	Corrected
						5430.000 GW Elevation	DTW	GW Elev
8/10/09	19:25:00	5980	14.713	10.802	256.443	5173.557	256.443	5173.557
8/10/09	19:30:00	5985	14.714	10.800	256.441	5173.559	256.441	5173.559
8/10/09	19:35:00	5990	14.714	10.806	256.441	5173.559	256.441	5173.559
8/10/09	19:40:00	5995	14.715	10.812	256.440	5173.560	256.440	5173.560
8/10/09	19:45:00	6000	14.714	10.810	256.441	5173.559	256.441	5173.559
8/10/09	19:50:00	6005	14.714	10.803	256.443	5173.557	256.443	5173.557
8/10/09	19:55:00	6010	14.714	10.795	256.441	5173.559	256.441	5173.559
8/10/09	20:00:00	6015	14.714	10.795	256.441	5173.559	256.441	5173.559
8/10/09	20:05:00	6020	14.714	10.798	256.441	5173.559	256.441	5173.559
8/10/09	20:10:00	6025	14.714	10.800	256.442	5173.558	256.442	5173.558
8/10/09	20:15:00	6030	14.714	10.803	256.441	5173.559	256.441	5173.559
8/10/09	20:20:00	6035	14.715	10.798	256.439	5173.561	256.439	5173.561
8/10/09	20:25:00	6040	14.715	10.797	256.439	5173.561	256.439	5173.561
8/10/09	20:30:00	6045	14.715	10.801	256.440	5173.560	256.440	5173.560
8/10/09	20:35:00	6050	14.715	10.805	256.440	5173.560	256.440	5173.560
8/10/09	20:40:00	6055	14.715	10.804	256.439	5173.561	256.439	5173.561
8/10/09	20:45:00	6060	14.716	10.803	256.437	5173.563	256.437	5173.563
8/10/09	20:50:00	6065	14.715	10.799	256.440	5173.560	256.440	5173.560
8/10/09	20:55:00	6070	14.714	10.800	256.441	5173.559	256.441	5173.559
8/10/09	21:00:00	6075	14.714	10.797	256.441	5173.559	256.441	5173.559
8/10/09	21:05:00	6080	14.714	10.798	256.441	5173.559	256.441	5173.559
8/10/09	21:10:00	6085	14.715	10.798	256.439	5173.561	256.439	5173.561
8/10/09	21:15:00	6090	14.714	10.801	256.441	5173.559	256.441	5173.559
8/10/09	21:20:00	6095	14.714	10.801	256.442	5173.558	256.442	5173.558
8/10/09	21:25:00	6100	14.714	10.798	256.441	5173.559	256.441	5173.559
8/10/09	21:30:00	6105	14.713	10.800	256.444	5173.556	256.444	5173.556
8/10/09	21:35:00	6110	14.713	10.801	256.444	5173.556	256.444	5173.556
8/10/09	21:40:00	6115	14.713	10.800	256.443	5173.557	256.443	5173.557
8/10/09	21:45:00	6120	14.713	10.809	256.443	5173.557	256.443	5173.557
8/10/09	21:50:00	6125	14.713	10.812	256.444	5173.556	256.444	5173.556
8/10/09	21:55:00	6130	14.712	10.809	256.445	5173.555	256.445	5173.555
8/10/09	22:00:00	6135	14.713	10.800	256.445	5173.555	256.445	5173.555
8/10/09	22:05:00	6140	14.713	10.804	256.444	5173.556	256.444	5173.556
8/10/09	22:10:00	6145	14.712	10.803	256.445	5173.555	256.445	5173.555
8/10/09	22:15:00	6150	14.711	10.801	256.449	5173.551	256.449	5173.551
8/10/09	22:20:00	6155	14.712	10.799	256.446	5173.554	256.446	5173.554
8/10/09	22:25:00	6160	14.711	10.801	256.447	5173.553	256.447	5173.553
8/10/09	22:30:00	6165	14.712	10.802	256.447	5173.553	256.447	5173.553
8/10/09	22:35:00	6170	14.711	10.804	256.448	5173.552	256.448	5173.552
8/10/09	22:40:00	6175	14.710	10.804	256.450	5173.550	256.450	5173.550
8/10/09	22:45:00	6180	14.710	10.808	256.450	5173.550	256.450	5173.550
8/10/09	22:50:00	6185	14.711	10.806	256.448	5173.552	256.448	5173.552
8/10/09	22:55:00	6190	14.711	10.800	256.449	5173.551	256.449	5173.551
8/10/09	23:00:00	6195	14.709	10.797	256.453	5173.547	256.453	5173.547
8/10/09	23:05:00	6200	14.710	10.797	256.450	5173.550	256.450	5173.550
8/10/09	23:10:00	6205	14.709	10.798	256.453	5173.547	256.453	5173.547
8/10/09	23:15:00	6210	14.710	10.804	256.450	5173.550	256.450	5173.550
8/10/09	23:20:00	6215	14.709	10.807	256.454	5173.546	256.454	5173.546
8/10/09	23:25:00	6220	14.708	10.805	256.455	5173.545	256.455	5173.545
8/10/09	23:30:00	6225	14.709	10.804	256.453	5173.547	256.453	5173.547
8/10/09	23:35:00	6230	14.709	10.806	256.454	5173.546	256.454	5173.546
8/10/09	23:40:00	6235	14.709	10.799	256.454	5173.546	256.454	5173.546

Appendix B-5. UMW-11 Water Level Data, Moore Ranch Supplemental Pump Testing

Date	Time	Elapsed Minutes	Tin SN#: PSI	SN#: 137877 Temp - C	SN#: 137877 DTW (ft btoc)	TOC Elev	Corrected DTW	Corrected GW Elev
						5430.000 GW Elevation		
8/10/09	23:45:00	6240	14.708	10.801	256.455	5173.545	256.455	5173.545
8/10/09	23:50:00	6245	14.707	10.808	256.457	5173.543	256.457	5173.543
8/10/09	23:55:00	6250	14.709	10.804	256.453	5173.547	256.453	5173.547
8/11/09	0:00:00	6255	14.708	10.807	256.457	5173.543	256.457	5173.543
8/11/09	0:05:00	6260	14.708	10.812	256.455	5173.545	256.455	5173.545
8/11/09	0:10:00	6265	14.707	10.817	256.458	5173.542	256.458	5173.542
8/11/09	0:15:00	6270	14.706	10.819	256.459	5173.541	256.459	5173.541
8/11/09	0:20:00	6275	14.707	10.812	256.457	5173.543	256.457	5173.543
8/11/09	0:25:00	6280	14.707	10.816	256.458	5173.542	256.458	5173.542
8/11/09	0:30:00	6285	14.706	10.814	256.459	5173.541	256.459	5173.541
8/11/09	0:35:00	6290	14.705	10.814	256.462	5173.538	256.462	5173.538
8/11/09	0:40:00	6295	14.705	10.809	256.462	5173.538	256.462	5173.538
8/11/09	0:45:00	6300	14.706	10.810	256.460	5173.540	256.460	5173.540
8/11/09	0:50:00	6305	14.705	10.812	256.463	5173.537	256.463	5173.537
8/11/09	0:55:00	6310	14.706	10.810	256.461	5173.539	256.461	5173.539
8/11/09	1:00:00	6315	14.705	10.815	256.463	5173.537	256.463	5173.537
8/11/09	1:05:00	6320	14.704	10.809	256.464	5173.536	256.464	5173.536
8/11/09	1:10:00	6325	14.705	10.809	256.463	5173.537	256.463	5173.537
8/11/09	1:15:00	6330	14.704	10.806	256.465	5173.535	256.465	5173.535
8/11/09	1:20:00	6335	14.703	10.804	256.467	5173.533	256.467	5173.533
8/11/09	1:25:00	6340	14.704	10.804	256.464	5173.536	256.464	5173.536
8/11/09	1:30:00	6345	14.704	10.805	256.465	5173.535	256.465	5173.535
8/11/09	1:35:00	6350	14.703	10.805	256.468	5173.532	256.468	5173.532
8/11/09	1:40:00	6355	14.702	10.803	256.469	5173.531	256.469	5173.531
8/11/09	1:45:00	6360	14.704	10.806	256.465	5173.535	256.465	5173.535
8/11/09	1:50:00	6365	14.703	10.812	256.466	5173.534	256.466	5173.534
8/11/09	1:55:00	6370	14.702	10.811	256.469	5173.531	256.469	5173.531
8/11/09	2:00:00	6375	14.701	10.808	256.471	5173.529	256.471	5173.529
8/11/09	2:05:00	6380	14.702	10.809	256.469	5173.531	256.469	5173.531
8/11/09	2:10:00	6385	14.702	10.807	256.468	5173.532	256.468	5173.532
8/11/09	2:15:00	6390	14.700	10.808	256.473	5173.527	256.473	5173.527
8/11/09	2:20:00	6395	14.702	10.804	256.470	5173.530	256.470	5173.530
8/11/09	2:25:00	6400	14.703	10.797	256.467	5173.533	256.467	5173.533
8/11/09	2:30:00	6405	14.703	10.799	256.468	5173.532	256.468	5173.532
8/11/09	2:35:00	6410	14.703	10.800	256.468	5173.532	256.468	5173.532
8/11/09	2:40:00	6415	14.701	10.803	256.471	5173.529	256.471	5173.529
8/11/09	2:45:00	6420	14.702	10.802	256.470	5173.530	256.470	5173.530
8/11/09	2:50:00	6425	14.701	10.800	256.473	5173.527	256.473	5173.527
8/11/09	2:55:00	6430	14.701	10.796	256.471	5173.529	256.471	5173.529
8/11/09	3:00:00	6435	14.702	10.798	256.469	5173.531	256.469	5173.531
8/11/09	3:05:00	6440	14.702	10.799	256.468	5173.532	256.468	5173.532
8/11/09	3:10:00	6445	14.701	10.798	256.471	5173.529	256.471	5173.529
8/11/09	3:15:00	6450	14.702	10.804	256.469	5173.531	256.469	5173.531
8/11/09	3:20:00	6455	14.701	10.804	256.471	5173.529	256.471	5173.529
8/11/09	3:25:00	6460	14.701	10.804	256.471	5173.529	256.471	5173.529
8/11/09	3:30:00	6465	14.700	10.803	256.474	5173.526	256.474	5173.526
8/11/09	3:35:00	6470	14.701	10.804	256.472	5173.528	256.472	5173.528
8/11/09	3:40:00	6475	14.701	10.801	256.472	5173.528	256.472	5173.528
8/11/09	3:45:00	6480	14.700	10.804	256.474	5173.526	256.474	5173.526
8/11/09	3:50:00	6485	14.702	10.795	256.470	5173.530	256.470	5173.530
8/11/09	3:55:00	6490	14.702	10.797	256.470	5173.530	256.470	5173.530
8/11/09	4:00:00	6495	14.701	10.802	256.472	5173.528	256.472	5173.528

Appendix B-5. UMW-11 Water Level Data, Moore Ranch Supplemental Pump Testing

Date	Time	Elapsed Minutes	Tin SN#: PSI	SN#: 137877 Temp - C	SN#: 137877 DTW (ft btoc)	TOC Elev	Corrected	Corrected
						5430.000 GW Elevation	DTW	GW Elev
8/11/09	4:05:00	6500	14.701	10.802	256.473	5173.527	256.473	5173.527
8/11/09	4:10:00	6505	14.702	10.805	256.470	5173.530	256.470	5173.530
8/11/09	4:15:00	6510	14.701	10.801	256.472	5173.528	256.472	5173.528
8/11/09	4:20:00	6515	14.700	10.801	256.473	5173.527	256.473	5173.527
8/11/09	4:25:00	6520	14.701	10.805	256.472	5173.528	256.472	5173.528
8/11/09	4:30:00	6525	14.700	10.810	256.473	5173.527	256.473	5173.527
8/11/09	4:35:00	6530	14.701	10.812	256.471	5173.529	256.471	5173.529
8/11/09	4:40:00	6535	14.701	10.809	256.471	5173.529	256.471	5173.529
8/11/09	4:45:00	6540	14.701	10.812	256.472	5173.528	256.472	5173.528
8/11/09	4:50:00	6545	14.700	10.815	256.473	5173.527	256.473	5173.527
8/11/09	4:55:00	6550	14.701	10.818	256.471	5173.529	256.471	5173.529
8/11/09	5:00:00	6555	14.701	10.816	256.473	5173.527	256.473	5173.527
8/11/09	5:05:00	6560	14.701	10.816	256.471	5173.529	256.471	5173.529
8/11/09	5:10:00	6565	14.701	10.809	256.472	5173.528	256.472	5173.528
8/11/09	5:15:00	6570	14.701	10.800	256.471	5173.529	256.471	5173.529
8/11/09	5:20:00	6575	14.701	10.804	256.471	5173.529	256.471	5173.529
8/11/09	5:25:00	6580	14.702	10.800	256.468	5173.532	256.468	5173.532
8/11/09	5:30:00	6585	14.701	10.803	256.471	5173.529	256.471	5173.529
8/11/09	5:35:00	6590	14.703	10.800	256.467	5173.533	256.467	5173.533
8/11/09	5:40:00	6595	14.702	10.801	256.469	5173.531	256.469	5173.531
8/11/09	5:45:00	6600	14.701	10.802	256.472	5173.528	256.472	5173.528
8/11/09	5:50:00	6605	14.703	10.799	256.467	5173.533	256.467	5173.533
8/11/09	5:55:00	6610	14.703	10.798	256.467	5173.533	256.467	5173.533
8/11/09	6:00:00	6615	14.702	10.799	256.469	5173.531	256.469	5173.531
8/11/09	6:05:00	6620	14.702	10.802	256.470	5173.530	256.470	5173.530
8/11/09	6:10:00	6625	14.702	10.800	256.470	5173.530	256.470	5173.530
8/11/09	6:15:00	6630	14.703	10.804	256.468	5173.532	256.468	5173.532
8/11/09	6:20:00	6635	14.703	10.805	256.467	5173.533	256.467	5173.533
8/11/09	6:25:00	6640	14.702	10.806	256.469	5173.531	256.469	5173.531
8/11/09	6:30:00	6645	14.703	10.804	256.466	5173.534	256.466	5173.534
8/11/09	6:35:00	6650	14.702	10.807	256.468	5173.532	256.468	5173.532
8/11/09	6:40:00	6655	14.703	10.808	256.467	5173.533	256.467	5173.533
8/11/09	6:45:00	6660	14.704	10.806	256.465	5173.535	256.465	5173.535
8/11/09	6:50:00	6665	14.703	10.798	256.468	5173.532	256.468	5173.532
8/11/09	6:55:00	6670	14.703	10.792	256.467	5173.533	256.467	5173.533
8/11/09	7:00:00	6675	14.704	10.793	256.465	5173.535	256.465	5173.535
8/11/09	7:05:00	6680	14.704	10.794	256.465	5173.535	256.465	5173.535
8/11/09	7:10:00	6685	14.703	10.791	256.467	5173.533	256.467	5173.533
8/11/09	7:15:00	6690	14.703	10.801	256.466	5173.534	256.466	5173.534
8/11/09	7:20:00	6695	14.704	10.800	256.465	5173.535	256.465	5173.535
8/11/09	7:25:00	6700	14.704	10.802	256.464	5173.536	256.464	5173.536
8/11/09	7:30:00	6705	14.704	10.804	256.466	5173.534	256.466	5173.534
8/11/09	7:35:00	6710	14.704	10.802	256.464	5173.536	256.464	5173.536
8/11/09	7:40:00	6715	14.704	10.799	256.464	5173.536	256.464	5173.536
8/11/09	7:45:00	6720	14.704	10.793	256.464	5173.536	256.464	5173.536
8/11/09	7:50:00	6725	14.703	10.794	256.466	5173.534	256.466	5173.534
8/11/09	7:55:00	6730	14.703	10.796	256.467	5173.533	256.467	5173.533
8/11/09	8:00:00	6735	14.704	10.792	256.466	5173.534	256.466	5173.534
8/11/09	8:05:00	6740	14.704	10.793	256.465	5173.535	256.465	5173.535
8/11/09	8:10:00	6745	14.704	10.795	256.466	5173.534	256.466	5173.534
8/11/09	8:15:00	6750	14.703	10.796	256.466	5173.534	256.466	5173.534
8/11/09	8:20:00	6755	14.705	10.796	256.463	5173.537	256.463	5173.537

Appendix B-5. UMW-11 Water Level Data, Moore Ranch Supplemental Pump Testing

Date	Time	Elapsed Minutes	Tin SN#: PSI	137877 Temp - C	SN#: DTW (ft btoc)	TOC Elev	Corrected DTW	Corrected GW Elev
						5430.000 GW Elevation		
8/11/09	8:25:00	6760	14.705	10.795	256.463	5173.537	256.463	5173.537
8/11/09	8:30:00	6765	14.704	10.801	256.464	5173.536	256.464	5173.536
8/11/09	8:35:00	6770	14.704	10.801	256.464	5173.536	256.464	5173.536
8/11/09	8:40:00	6775	14.704	10.800	256.465	5173.535	256.465	5173.535
8/11/09	8:45:00	6780	14.705	10.799	256.463	5173.537	256.463	5173.537
8/11/09	8:50:00	6785	14.704	10.801	256.465	5173.535	256.465	5173.535
8/11/09	8:55:00	6790	14.704	10.803	256.464	5173.536	256.464	5173.536
8/11/09	9:00:00	6795	14.705	10.797	256.463	5173.537	256.463	5173.537
8/11/09	9:05:00	6800	14.704	10.800	256.465	5173.535	256.465	5173.535
8/11/09	9:10:00	6805	14.703	10.801	256.466	5173.534	256.466	5173.534
8/11/09	9:15:00	6810	14.704	10.801	256.466	5173.534	256.466	5173.534
8/11/09	9:20:00	6815	14.704	10.800	256.466	5173.534	256.466	5173.534
8/11/09	9:25:00	6820	14.704	10.801	256.464	5173.536	256.464	5173.536
8/11/09	9:30:00	6825	14.704	10.800	256.465	5173.535	256.465	5173.535
8/11/09	9:35:00	6830	14.704	10.802	256.465	5173.535	256.465	5173.535
8/11/09	9:40:00	6835	14.704	10.801	256.465	5173.535	256.465	5173.535
8/11/09	9:45:00	6840	14.703	10.802	256.466	5173.534	256.466	5173.534
8/11/09	9:50:00	6845	14.703	10.805	256.466	5173.534	256.466	5173.534
8/11/09	9:55:00	6850	14.703	10.807	256.466	5173.534	256.466	5173.534
8/11/09	10:00:00	6855	14.704	10.806	256.465	5173.535	256.465	5173.535
8/11/09	10:05:00	6860	14.706	10.806	256.461	5173.539	256.461	5173.539
8/11/09	10:10:00	6865	14.705	10.806	256.462	5173.538	256.462	5173.538
8/11/09	10:15:00	6870	14.706	10.804	256.460	5173.540	256.460	5173.540
8/11/09	10:20:00	6875	14.706	10.802	256.460	5173.540	256.460	5173.540
8/11/09	10:25:00	6880.002	14.710	10.805	256.451	5173.549	256.451	5173.549
8/11/09	10:30:00	6885	14.707	10.805	256.458	5173.542	256.458	5173.542
8/11/09	10:35:00	6890	14.706	10.804	256.460	5173.540	256.460	5173.540
8/11/09	10:40:00	6895	14.706	10.800	256.460	5173.540	256.460	5173.540
8/11/09	10:45:00	6900	14.706	10.801	256.460	5173.540	256.460	5173.540
8/11/09	10:50:00	6905	14.707	10.801	256.459	5173.541	256.459	5173.541
8/11/09	10:55:00	6910	14.706	10.800	256.461	5173.539	256.461	5173.539
8/11/09	11:00:00	6915	14.706	10.803	256.459	5173.541	256.459	5173.541
8/11/09	11:05:00	6920	14.707	10.806	256.458	5173.542	256.458	5173.542
8/11/09	11:10:00	6925	14.707	10.806	256.459	5173.541	256.459	5173.541
8/11/09	11:15:00	6930	14.706	10.803	256.460	5173.540	256.460	5173.540
8/11/09	11:20:00	6935	14.707	10.804	256.457	5173.543	256.457	5173.543
8/11/09	11:25:00	6940	14.707	10.807	256.459	5173.541	256.459	5173.541
8/11/09	11:30:00	6945	14.707	10.811	256.458	5173.542	256.458	5173.542
8/11/09	11:35:00	6950	14.706	10.811	256.460	5173.540	256.460	5173.540
8/11/09	11:40:00	6955	14.706	10.808	256.460	5173.540	256.460	5173.540
8/11/09	11:45:00	6960	14.707	10.808	256.459	5173.541	256.459	5173.541
8/11/09	11:50:00	6965	14.706	10.811	256.460	5173.540	256.460	5173.540
8/11/09	11:55:00	6970	14.707	10.804	256.457	5173.543	256.457	5173.543
8/11/09	12:00:00	6975	14.707	10.805	256.457	5173.543	256.457	5173.543
8/11/09	12:05:00	6980	14.707	10.804	256.457	5173.543	256.457	5173.543
8/11/09	12:10:00	6985	14.707	10.803	256.457	5173.543	256.457	5173.543
8/11/09	12:15:00	6990	14.707	10.804	256.457	5173.543	256.457	5173.543
8/11/09	12:20:00	6995	14.706	10.804	256.460	5173.540	256.460	5173.540
8/11/09	12:25:00	7000	14.708	10.800	256.456	5173.544	256.456	5173.544
8/11/09	12:30:00	7005	14.707	10.801	256.457	5173.543	256.457	5173.543
8/11/09	12:35:00	7010	14.707	10.801	256.457	5173.543	256.457	5173.543
8/11/09	12:40:00	7015	14.707	10.803	256.458	5173.542	256.458	5173.542

Appendix B-5. UMW-11 Water Level Data, Moore Ranch Supplemental Pump Testing

Date	Time	Elapsed Tin Minutes	SN#: 1377 PSI	SN#: 137877 Temp - C	SN#: 137877 DTW (ft btoc)	TOC Elev	Corrected	Corrected
						5430.000 GW Elevation	DTW	GW Elev
8/11/09	12:45:00	7020	14.707	10.803	256.457	5173.543	256.457	5173.543
8/11/09	14:05:00	7100	14.765	15.130	256.323	5173.677	256.193	5173.807
8/11/09	14:10:00	7105	14.724	11.908	256.419	5173.581	256.289	5173.711
8/11/09	14:15:00	7110	14.717	11.134	256.434	5173.566	256.304	5173.696
8/11/09	14:20:00	7115	14.712	10.913	256.446	5173.554	256.316	5173.684
8/11/09	14:25:00	7120	14.709	10.854	256.452	5173.548	256.322	5173.678
8/11/09	14:30:00	7125	14.705	10.824	256.462	5173.538	256.332	5173.668
8/11/09	14:35:00	7130	14.703	10.815	256.468	5173.532	256.338	5173.662
8/11/09	14:40:00	7135	14.697	10.813	256.481	5173.519	256.351	5173.649
8/11/09	14:45:00	7140	14.696	10.811	256.483	5173.517	256.353	5173.647
8/11/09	14:50:00	7145	14.695	10.805	256.486	5173.514	256.356	5173.644
8/11/09	14:55:00	7150	14.695	10.804	256.486	5173.514	256.356	5173.644
8/11/09	15:00:00	7155	14.693	10.805	256.490	5173.510	256.360	5173.640
8/11/09	15:05:00	7160	14.693	10.800	256.491	5173.509	256.361	5173.639
8/11/09	15:10:00	7165	14.692	10.806	256.492	5173.508	256.362	5173.638
8/11/09	15:15:00	7170	14.692	10.802	256.491	5173.509	256.361	5173.639
8/11/09	15:20:00	7175	14.692	10.804	256.492	5173.508	256.362	5173.638
8/11/09	15:25:00	7180	14.691	10.808	256.494	5173.506	256.364	5173.636
8/11/09	15:30:00	7185	14.690	10.807	256.498	5173.502	256.368	5173.632
8/11/09	15:35:00	7190	14.690	10.807	256.496	5173.504	256.366	5173.634
8/11/09	15:40:00	7195	14.689	10.810	256.500	5173.500	256.370	5173.630
8/11/09	15:45:00	7200	14.690	10.808	256.498	5173.502	256.368	5173.632
8/11/09	15:50:00	7205	14.689	10.805	256.499	5173.501	256.369	5173.631
8/11/09	15:55:00	7210	14.689	10.804	256.499	5173.501	256.369	5173.631
8/11/09	16:00:00	7215	14.690	10.798	256.497	5173.503	256.367	5173.633
8/11/09	16:05:00	7220	14.690	10.797	256.497	5173.503	256.367	5173.633
8/11/09	16:10:00	7225	14.689	10.793	256.498	5173.502	256.368	5173.632
8/11/09	16:15:00	7230	14.689	10.796	256.500	5173.500	256.370	5173.630
8/11/09	16:20:00	7235	14.688	10.794	256.501	5173.499	256.371	5173.629
8/11/09	16:25:00	7240	14.690	10.797	256.498	5173.502	256.368	5173.632
8/11/09	16:30:00	7245	14.691	10.798	256.496	5173.504	256.366	5173.634
8/11/09	16:35:00	7250	14.691	10.796	256.495	5173.505	256.365	5173.635
8/11/09	16:40:00	7255	14.691	10.796	256.496	5173.504	256.366	5173.634
8/11/09	16:45:00	7260	14.691	10.797	256.495	5173.505	256.365	5173.635
8/11/09	16:50:00	7265	14.691	10.798	256.494	5173.506	256.364	5173.636
8/11/09	16:55:00	7270	14.690	10.800	256.496	5173.504	256.366	5173.634
8/11/09	17:00:00	7275	14.691	10.801	256.495	5173.505	256.365	5173.635
8/11/09	17:05:00	7280	14.691	10.796	256.495	5173.505	256.365	5173.635
8/11/09	17:10:00	7285	14.691	10.796	256.495	5173.505	256.365	5173.635
8/11/09	17:15:00	7290	14.692	10.796	256.491	5173.509	256.361	5173.639
8/11/09	17:20:00	7295	14.692	10.797	256.493	5173.507	256.363	5173.637
8/11/09	17:25:00	7300	14.693	10.798	256.490	5173.510	256.360	5173.640
8/11/09	17:30:00	7305	14.694	10.795	256.488	5173.512	256.358	5173.642
8/11/09	17:35:00	7310	14.692	10.797	256.492	5173.508	256.362	5173.638
8/11/09	17:40:00	7315	14.693	10.792	256.489	5173.511	256.359	5173.641
8/11/09	17:45:00	7320	14.692	10.794	256.492	5173.508	256.362	5173.638
8/11/09	17:50:00	7325	14.694	10.796	256.487	5173.513	256.357	5173.643
8/11/09	17:55:00	7330	14.692	10.798	256.492	5173.508	256.362	5173.638
8/11/09	18:00:00	7335	14.695	10.798	256.486	5173.514	256.356	5173.644
8/11/09	18:05:00	7340	14.694	10.796	256.487	5173.513	256.357	5173.643
8/11/09	18:10:00	7345	14.694	10.799	256.487	5173.513	256.357	5173.643
8/11/09	18:15:00	7350	14.695	10.798	256.485	5173.515	256.355	5173.645

Appendix B-5. UMW-11 Water Level Data, Moore Ranch Supplemental Pump Testing

Date	Time	Elapsed Minutes	Tin SN#: PSI	137877 Temp - C	SN#: DTW (ft btoc)	TOC Elev	Corrected DTW	Corrected GW Elev
						5430.000 GW Elevation		
8/11/09	18:20:00	7355	14.695	10.798	256.486	5173.514	256.356	5173.644
8/11/09	18:25:00	7360	14.695	10.798	256.486	5173.514	256.356	5173.644
8/11/09	18:30:00	7365	14.695	10.800	256.485	5173.515	256.355	5173.645
8/11/09	18:35:00	7370	14.696	10.802	256.484	5173.516	256.354	5173.646
8/11/09	18:40:00	7375	14.695	10.805	256.484	5173.516	256.354	5173.646
8/11/09	18:45:00	7380	14.696	10.807	256.483	5173.517	256.353	5173.647
8/11/09	18:50:00	7385	14.696	10.812	256.484	5173.516	256.354	5173.646
8/11/09	18:55:00	7390	14.696	10.813	256.482	5173.518	256.352	5173.648
8/11/09	19:00:00	7395	14.695	10.805	256.485	5173.515	256.355	5173.645
8/11/09	19:05:00	7400	14.695	10.803	256.485	5173.515	256.355	5173.645
8/11/09	19:10:00	7405	14.697	10.799	256.481	5173.519	256.351	5173.649
8/11/09	19:15:00	7410	14.698	10.801	256.479	5173.521	256.349	5173.651
8/11/09	19:20:00	7415	14.697	10.799	256.480	5173.520	256.350	5173.650
8/11/09	19:25:00	7420	14.697	10.797	256.481	5173.519	256.351	5173.649
8/11/09	19:30:00	7425	14.698	10.800	256.480	5173.520	256.350	5173.650
8/11/09	19:35:00	7430	14.698	10.801	256.479	5173.521	256.349	5173.651
8/11/09	19:40:00	7435	14.698	10.802	256.478	5173.522	256.348	5173.652
8/11/09	19:45:00	7440	14.698	10.804	256.478	5173.522	256.348	5173.652
8/11/09	19:50:00	7445	14.699	10.802	256.475	5173.525	256.345	5173.655
8/11/09	19:55:00	7450	14.698	10.801	256.478	5173.522	256.348	5173.652
8/11/09	20:00:00	7455	14.699	10.803	256.476	5173.524	256.346	5173.654
8/11/09	20:05:00	7460	14.700	10.804	256.474	5173.526	256.344	5173.656
8/11/09	20:10:00	7465	14.699	10.801	256.476	5173.524	256.346	5173.654
8/11/09	20:15:00	7470	14.700	10.801	256.475	5173.525	256.345	5173.655
8/11/09	20:20:00	7475	14.700	10.800	256.475	5173.525	256.345	5173.655
8/11/09	20:25:00	7480	14.699	10.800	256.475	5173.525	256.345	5173.655
8/11/09	20:30:00	7485	14.700	10.799	256.475	5173.525	256.345	5173.655
8/11/09	20:35:00	7490	14.699	10.796	256.476	5173.524	256.346	5173.654
8/11/09	20:40:00	7495	14.700	10.797	256.474	5173.526	256.344	5173.656
8/11/09	20:45:00	7500	14.700	10.800	256.473	5173.527	256.343	5173.657
8/11/09	20:50:00	7505	14.700	10.800	256.474	5173.526	256.344	5173.656
8/11/09	20:55:00	7510	14.701	10.804	256.473	5173.527	256.343	5173.657
8/11/09	21:00:00	7515	14.699	10.806	256.476	5173.524	256.346	5173.654
8/11/09	21:05:00	7520	14.700	10.808	256.473	5173.527	256.343	5173.657
8/11/09	21:10:00	7525	14.699	10.799	256.476	5173.524	256.346	5173.654
8/11/09	21:15:00	7530	14.699	10.800	256.475	5173.525	256.345	5173.655
8/11/09	21:20:00	7535	14.700	10.801	256.473	5173.527	256.343	5173.657
8/11/09	21:25:00	7540	14.700	10.797	256.473	5173.527	256.343	5173.657
8/11/09	21:30:00	7545	14.699	10.800	256.475	5173.525	256.345	5173.655
8/11/09	21:35:00	7550	14.701	10.797	256.472	5173.528	256.342	5173.658
8/11/09	21:40:00	7555	14.699	10.801	256.475	5173.525	256.345	5173.655
8/11/09	21:45:00	7560	14.700	10.797	256.474	5173.526	256.344	5173.656
8/11/09	21:50:00	7565	14.699	10.794	256.475	5173.525	256.345	5173.655
8/11/09	21:55:00	7570	14.700	10.797	256.473	5173.527	256.343	5173.657
8/11/09	22:00:00	7575	14.700	10.794	256.473	5173.527	256.343	5173.657
8/11/09	22:05:00	7580	14.699	10.796	256.476	5173.524	256.346	5173.654
8/11/09	22:10:00	7585	14.700	10.798	256.474	5173.526	256.344	5173.656
8/11/09	22:15:00	7590	14.700	10.796	256.474	5173.526	256.344	5173.656
8/11/09	22:20:00	7595	14.698	10.797	256.478	5173.522	256.348	5173.652
8/11/09	22:25:00	7600	14.699	10.796	256.475	5173.525	256.345	5173.655
8/11/09	22:30:00	7605	14.700	10.798	256.473	5173.527	256.343	5173.657
8/11/09	22:35:00	7610	14.700	10.802	256.475	5173.525	256.345	5173.655

Appendix B-5. UMW-11 Water Level Data, Moore Ranch Supplemental Pump Testing

Date	Time	Elapsed Minutes	Tin SN#: PSI	SN#: Temp - C	SN#: DTW (ft btoc)	TOC Elev	Corrected	Corrected
						5430.000 GW Elevation	DTW	GW Elev
8/11/09	22:40:00	7615	14.700	10.798	256.473	5173.527	256.343	5173.657
8/11/09	22:45:00	7620	14.700	10.796	256.474	5173.526	256.344	5173.656
8/11/09	22:50:00	7625	14.699	10.798	256.476	5173.524	256.346	5173.654
8/11/09	22:55:00	7630	14.700	10.801	256.475	5173.525	256.345	5173.655
8/11/09	23:00:00	7635	14.700	10.803	256.475	5173.525	256.345	5173.655
8/11/09	23:05:00	7640	14.699	10.803	256.476	5173.524	256.346	5173.654
8/11/09	23:10:00	7645	14.699	10.805	256.476	5173.524	256.346	5173.654
8/11/09	23:15:00	7650	14.699	10.800	256.476	5173.524	256.346	5173.654
8/11/09	23:20:00	7655	14.699	10.802	256.475	5173.525	256.345	5173.655
8/11/09	23:25:00	7660	14.699	10.798	256.477	5173.523	256.347	5173.653
8/11/09	23:30:00	7665	14.700	10.796	256.475	5173.525	256.345	5173.655
8/11/09	23:35:00	7670	14.700	10.793	256.474	5173.526	256.344	5173.656
8/11/09	23:40:00	7675	14.699	10.794	256.476	5173.524	256.346	5173.654
8/11/09	23:45:00	7680	14.700	10.798	256.475	5173.525	256.345	5173.655
8/11/09	23:50:00	7685	14.700	10.801	256.474	5173.526	256.344	5173.656
8/11/09	23:55:00	7690	14.699	10.801	256.476	5173.524	256.346	5173.654
8/12/09	0:00:00	7695	14.698	10.801	256.478	5173.522	256.348	5173.652
8/12/09	0:05:00	7700	14.699	10.797	256.477	5173.523	256.347	5173.653
8/12/09	0:10:00	7705	14.699	10.797	256.476	5173.524	256.346	5173.654
8/12/09	0:15:00	7710	14.698	10.799	256.478	5173.522	256.348	5173.652
8/12/09	0:20:00	7715	14.699	10.799	256.477	5173.523	256.347	5173.653
8/12/09	0:25:00	7720	14.697	10.802	256.480	5173.520	256.350	5173.650
8/12/09	0:30:00	7725	14.697	10.802	256.481	5173.519	256.351	5173.649
8/12/09	0:35:00	7730	14.697	10.800	256.480	5173.520	256.350	5173.650
8/12/09	0:40:00	7735	14.698	10.798	256.478	5173.522	256.348	5173.652
8/12/09	0:45:00	7740	14.698	10.801	256.478	5173.522	256.348	5173.652
8/12/09	0:50:00	7745	14.697	10.799	256.481	5173.519	256.351	5173.649
8/12/09	0:55:00	7750	14.698	10.802	256.478	5173.522	256.348	5173.652
8/12/09	1:00:00	7755	14.697	10.804	256.482	5173.518	256.352	5173.648
8/12/09	1:05:00	7760	14.697	10.799	256.480	5173.520	256.350	5173.650
8/12/09	1:10:00	7765	14.698	10.794	256.479	5173.521	256.349	5173.651
8/12/09	1:15:00	7770	14.697	10.796	256.480	5173.520	256.350	5173.650
8/12/09	1:20:00	7775	14.698	10.794	256.478	5173.522	256.348	5173.652
8/12/09	1:25:00	7780	14.697	10.797	256.481	5173.519	256.351	5173.649
8/12/09	1:30:00	7785	14.698	10.795	256.480	5173.520	256.350	5173.650
8/12/09	1:35:00	7790	14.697	10.793	256.480	5173.520	256.350	5173.650
8/12/09	1:40:00	7795	14.698	10.794	256.480	5173.520	256.350	5173.650
8/12/09	1:45:00	7800	14.697	10.793	256.481	5173.519	256.351	5173.649
8/12/09	1:50:00	7805	14.698	10.794	256.480	5173.520	256.350	5173.650
8/12/09	1:55:00	7810	14.697	10.789	256.482	5173.518	256.352	5173.648
8/12/09	2:00:00	7815	14.695	10.789	256.485	5173.515	256.355	5173.645
8/12/09	2:05:00	7820	14.697	10.791	256.481	5173.519	256.351	5173.649
8/12/09	2:10:00	7825	14.697	10.794	256.481	5173.519	256.351	5173.649
8/12/09	2:15:00	7830	14.695	10.791	256.485	5173.515	256.355	5173.645
8/12/09	2:20:00	7835	14.696	10.793	256.483	5173.517	256.353	5173.647
8/12/09	2:25:00	7840	14.698	10.790	256.479	5173.521	256.349	5173.651
8/12/09	2:30:00	7845	14.697	10.791	256.481	5173.519	256.351	5173.649
8/12/09	2:35:00	7850	14.698	10.793	256.479	5173.521	256.349	5173.651
8/12/09	2:40:00	7855	14.698	10.795	256.480	5173.520	256.350	5173.650
8/12/09	2:45:00	7860	14.697	10.796	256.482	5173.518	256.352	5173.648
8/12/09	2:50:00	7865	14.696	10.799	256.483	5173.517	256.353	5173.647
8/12/09	2:55:00	7870	14.697	10.796	256.481	5173.519	256.351	5173.649

Appendix B-5. UMW-11 Water Level Data, Moore Ranch Supplemental Pump Testing

Date	Time	Elapsed Minutes	Tin SN#: PSI	1371 SN#: Temp - C	137877 SN#: DTW (ft btoc)	TOC Elev	Corrected DTW	Corrected GW Elev
						5430.000 GW Elevation		
8/12/09	3:00:00	7875	14.697	10.800	256.482	5173.518	256.352	5173.648
8/12/09	3:05:00	7880	14.696	10.796	256.482	5173.518	256.352	5173.648
8/12/09	3:10:00	7885	14.696	10.798	256.483	5173.517	256.353	5173.647
8/12/09	3:15:00	7890	14.695	10.801	256.485	5173.515	256.355	5173.645
8/12/09	3:20:00	7895	14.696	10.803	256.482	5173.518	256.352	5173.648
8/12/09	3:25:00	7900	14.695	10.803	256.485	5173.515	256.355	5173.645
8/12/09	3:30:00	7905	14.696	10.806	256.484	5173.516	256.354	5173.646
8/12/09	3:35:00	7910	14.696	10.801	256.483	5173.517	256.353	5173.647
8/12/09	3:40:00	7915	14.696	10.798	256.484	5173.516	256.354	5173.646
8/12/09	3:45:00	7920	14.695	10.794	256.484	5173.516	256.354	5173.646
8/12/09	3:50:00	7925	14.696	10.798	256.484	5173.516	256.354	5173.646
8/12/09	3:55:00	7930	14.696	10.794	256.484	5173.516	256.354	5173.646
8/12/09	4:00:00	7935	14.695	10.792	256.485	5173.515	256.355	5173.645
8/12/09	4:05:00	7940	14.695	10.794	256.486	5173.514	256.356	5173.644
8/12/09	4:10:00	7945	14.695	10.795	256.485	5173.515	256.355	5173.645
8/12/09	4:15:00	7950	14.695	10.795	256.485	5173.515	256.355	5173.645
8/12/09	4:20:00	7955	14.695	10.798	256.484	5173.516	256.354	5173.646
8/12/09	4:25:00	7960	14.695	10.800	256.484	5173.516	256.354	5173.646
8/12/09	4:30:00	7965	14.695	10.798	256.485	5173.515	256.355	5173.645
8/12/09	4:35:00	7970	14.695	10.796	256.485	5173.515	256.355	5173.645
8/12/09	4:40:00	7975	14.695	10.803	256.485	5173.515	256.355	5173.645
8/12/09	4:45:00	7980	14.696	10.800	256.484	5173.516	256.354	5173.646
8/12/09	4:50:00	7985	14.696	10.803	256.483	5173.517	256.353	5173.647
8/12/09	4:55:00	7990	14.696	10.802	256.484	5173.516	256.354	5173.646
8/12/09	5:00:00	7995	14.696	10.801	256.484	5173.516	256.354	5173.646
8/12/09	5:05:00	8000	14.695	10.800	256.486	5173.514	256.356	5173.644
8/12/09	5:10:00	8005	14.695	10.800	256.486	5173.514	256.356	5173.644
8/12/09	5:15:00	8010	14.696	10.796	256.483	5173.517	256.353	5173.647
8/12/09	5:20:00	8015	14.695	10.796	256.485	5173.515	256.355	5173.645
8/12/09	5:25:00	8020	14.697	10.798	256.482	5173.518	256.352	5173.648
8/12/09	5:30:00	8025	14.694	10.802	256.488	5173.512	256.358	5173.642
8/12/09	5:35:00	8030	14.696	10.798	256.483	5173.517	256.353	5173.647
8/12/09	5:40:00	8035	14.694	10.799	256.487	5173.513	256.357	5173.643
8/12/09	5:45:00	8040	14.695	10.800	256.485	5173.515	256.355	5173.645
8/12/09	5:50:00	8045	14.696	10.800	256.484	5173.516	256.354	5173.646
8/12/09	5:55:00	8050	14.696	10.804	256.484	5173.516	256.354	5173.646
8/12/09	6:00:00	8055	14.695	10.802	256.486	5173.514	256.356	5173.644
8/12/09	6:05:00	8060	14.696	10.802	256.483	5173.517	256.353	5173.647
8/12/09	6:10:00	8065	14.695	10.799	256.485	5173.515	256.355	5173.645
8/12/09	6:15:00	8070	14.697	10.799	256.481	5173.519	256.351	5173.649
8/12/09	6:20:00	8075	14.695	10.802	256.486	5173.514	256.356	5173.644
8/12/09	6:25:00	8080	14.696	10.804	256.484	5173.516	256.354	5173.646
8/12/09	6:30:00	8085	14.696	10.804	256.484	5173.516	256.354	5173.646
8/12/09	6:35:00	8090	14.696	10.802	256.484	5173.516	256.354	5173.646
8/12/09	6:40:00	8095	14.696	10.796	256.484	5173.516	256.354	5173.646
8/12/09	6:45:00	8100	14.696	10.799	256.483	5173.517	256.353	5173.647
8/12/09	6:50:00	8105	14.696	10.805	256.483	5173.517	256.353	5173.647
8/12/09	6:55:00	8110	14.695	10.809	256.485	5173.515	256.355	5173.645
8/12/09	7:00:00	8115	14.696	10.811	256.482	5173.518	256.352	5173.648
8/12/09	7:05:00	8120	14.695	10.807	256.485	5173.515	256.355	5173.645
8/12/09	7:10:00	8125	14.695	10.807	256.484	5173.516	256.354	5173.646
8/12/09	7:15:00	8130	14.696	10.807	256.484	5173.516	256.354	5173.646

Appendix B-5. UMW-11 Water Level Data, Moore Ranch Supplemental Pump Testing

Date	Time	Elapsed Minutes	Tin SN#: PSI	137877 Temp - C	SN#: DTW (ft btoc)	TOC Elev	Corrected DTW	Corrected GW Elev
						5430.000 GW Elevation		
8/12/09	7:20:00	8135	14.693	10.806	256.490	5173.510	256.360	5173.640
8/12/09	7:25:00	8140	14.695	10.809	256.484	5173.516	256.354	5173.646
8/12/09	7:30:00	8145	14.696	10.812	256.484	5173.516	256.354	5173.646
8/12/09	7:55:00	8170	23.535	12.354	236.075	5193.925	252.235	5177.765
8/12/09	8:00:00	8175	23.236	11.324	236.765	5193.235	252.925	5177.075
8/12/09	8:05:00	8180	23.004	11.036	237.300	5192.700	253.460	5176.540
8/12/09	8:10:00	8185	22.814	10.952	237.739	5192.261	253.899	5176.101
8/12/09	8:15:00	8190	22.661	10.930	238.091	5191.909	254.251	5175.749
8/12/09	8:20:00	8195	22.533	10.925	238.389	5191.611	254.549	5175.451
8/12/09	8:25:00	8200	22.426	10.923	238.636	5191.364	254.796	5175.204
8/12/09	8:30:00	8205	22.335	10.921	238.845	5191.155	255.005	5174.995
8/12/09	8:35:00	8210	22.260	10.922	239.018	5190.982	255.178	5174.822
8/12/09	8:40:00	8215	22.195	10.917	239.167	5190.833	255.327	5174.673
8/12/09	8:45:00	8220	22.140	10.921	239.296	5190.704	255.456	5174.544
8/12/09	8:50:00	8225	22.093	10.918	239.405	5190.595	255.565	5174.435
8/12/09	8:55:00	8230	22.052	10.917	239.498	5190.502	255.658	5174.342
8/12/09	9:00:00	8235	22.017	10.916	239.578	5190.422	255.738	5174.262
8/12/09	9:05:00	8240	21.987	10.917	239.647	5190.353	255.807	5174.193
8/12/09	9:10:00	8245	21.961	10.913	239.708	5190.292	255.868	5174.132
8/12/09	9:15:00	8250	21.937	10.917	239.763	5190.237	255.923	5174.077
8/12/09	9:20:00	8255	21.916	10.917	239.811	5190.189	255.971	5174.029
8/12/09	9:25:00	8260	21.900	10.916	239.850	5190.150	256.010	5173.990
8/12/09	9:30:00	8265	21.884	10.920	239.886	5190.114	256.046	5173.954
8/12/09	9:35:00	8270	21.869	10.922	239.921	5190.079	256.081	5173.919
8/12/09	9:40:00	8275	21.858	10.919	239.947	5190.053	256.107	5173.893
8/12/09	9:45:00	8280	21.847	10.920	239.972	5190.028	256.132	5173.868
8/12/09	9:50:00	8285	21.838	10.912	239.992	5190.008	256.152	5173.848
8/12/09	9:55:00	8290	21.829	10.906	240.014	5189.986	256.174	5173.826
8/12/09	10:00:00	8295	21.824	10.910	240.025	5189.975	256.185	5173.815
8/12/09	10:05:00	8300	21.814	10.907	240.047	5189.953	256.207	5173.793
8/12/09	10:10:00	8305	21.810	10.906	240.058	5189.942	256.218	5173.782
8/12/09	10:15:00	8310	21.805	10.904	240.069	5189.931	256.229	5173.771
8/12/09	10:20:00	8315	21.800	10.898	240.081	5189.919	256.241	5173.759
8/12/09	10:25:00	8320	21.796	10.896	240.090	5189.910	256.250	5173.750
8/12/09	10:30:00	8325	21.793	10.896	240.097	5189.903	256.257	5173.743
8/12/09	10:35:00	8330	21.788	10.894	240.109	5189.891	256.269	5173.731
8/12/09	10:40:00	8335	21.785	10.896	240.115	5189.885	256.275	5173.725
8/12/09	10:45:00	8340	21.784	10.909	240.117	5189.883	256.277	5173.723
8/12/09	10:50:00	8345	21.785	10.930	240.115	5189.885	256.275	5173.725
8/12/09	10:53:31	0	21.782	10.925	256.271	5173.729	256.282	5173.718
8/12/09	10:53:46	0.25	21.784	10.924	256.266	5173.734	256.277	5173.723
8/12/09	10:54:01	0.5	21.783	10.918	256.267	5173.733	256.278	5173.722
8/12/09	10:54:16	0.75	21.783	10.922	256.268	5173.732	256.279	5173.721
8/12/09	10:54:31	1	21.783	10.920	256.268	5173.732	256.279	5173.721
8/12/09	10:54:46	1.25	21.787	10.922	256.259	5173.741	256.270	5173.730
8/12/09	10:55:01	1.503	21.778	10.938	256.279	5173.721	256.290	5173.710
8/12/09	10:55:16	1.75	21.786	10.923	256.260	5173.740	256.271	5173.729
8/12/09	10:55:31	2	21.782	10.922	256.270	5173.730	256.281	5173.719
8/12/09	10:55:46	2.25	21.782	10.921	256.271	5173.729	256.282	5173.718
8/12/09	10:56:01	2.5	21.782	10.919	256.271	5173.729	256.282	5173.718
8/12/09	10:56:16	2.75	21.782	10.918	256.271	5173.729	256.282	5173.718
8/12/09	10:56:31	3	21.786	10.917	256.261	5173.739	256.272	5173.728

Appendix B-5. UMW-11 Water Level Data, Moore Ranch Supplemental Pump Testing

Date	Time	Elapsed Minutes	Tin SN#: PSI	SN#: Temp - C	SN#: DTW (ft btoc)	TOC Elev	Corrected DTW	Corrected GW Elev
						5430.000 GW Elevation		
8/12/09	10:56:46	3.25	21.781	10.915	256.272	5173.728	256.283	5173.717
8/12/09	10:57:01	3.5	21.786	10.916	256.261	5173.739	256.272	5173.728
8/12/09	10:57:16	3.75	21.781	10.914	256.272	5173.728	256.283	5173.717
8/12/09	10:57:31	4	21.786	10.915	256.261	5173.739	256.272	5173.728
8/12/09	10:57:46	4.25	21.785	10.914	256.263	5173.737	256.274	5173.726
8/12/09	10:58:01	4.5	21.781	10.911	256.272	5173.728	256.283	5173.717
8/12/09	10:58:16	4.75	21.781	10.913	256.272	5173.728	256.283	5173.717
8/12/09	10:58:31	5	21.780	10.912	256.275	5173.725	256.286	5173.714
8/12/09	10:58:46	5.25	21.779	10.911	256.277	5173.723	256.288	5173.712
8/12/09	10:59:01	5.5	21.780	10.907	256.275	5173.725	256.286	5173.714
8/12/09	10:59:16	5.75	21.780	10.913	256.275	5173.725	256.286	5173.714
8/12/09	10:59:31	6	21.781	10.910	256.273	5173.727	256.284	5173.716
8/12/09	10:59:46	6.25	21.779	10.908	256.278	5173.722	256.289	5173.711
8/12/09	11:00:01	6.5	21.780	10.910	256.275	5173.725	256.286	5173.714
8/12/09	11:00:16	6.75	21.784	10.910	256.265	5173.735	256.276	5173.724
8/12/09	11:00:31	7	21.778	10.911	256.280	5173.720	256.291	5173.709
8/12/09	11:00:46	7.25	21.782	10.916	256.269	5173.731	256.280	5173.720
8/12/09	11:01:01	7.5	21.782	10.919	256.269	5173.731	256.280	5173.720
8/12/09	11:01:16	7.75	21.782	10.920	256.271	5173.729	256.282	5173.718
8/12/09	11:01:31	8	21.781	10.922	256.273	5173.727	256.284	5173.716
8/12/09	11:01:46	8.25	21.782	10.924	256.271	5173.729	256.282	5173.718
8/12/09	11:02:01	8.5	21.781	10.928	256.272	5173.728	256.283	5173.717
8/12/09	11:02:16	8.75	20.003	10.927	260.379	5169.621	260.390	5169.610
8/12/09	11:02:31	9	18.312	10.928	264.283	5165.717	264.294	5165.706
8/12/09	11:02:46	9.25	16.919	10.925	267.498	5162.502	267.509	5162.491
8/12/09	11:03:01	9.5	15.543	10.926	270.677	5159.323	270.688	5159.312
8/12/09	11:03:16	9.75	14.289	10.925	273.570	5156.430	273.581	5156.419
8/12/09	11:03:31	10	13.357	10.926	275.724	5154.276	275.735	5154.265
8/12/09	11:03:46	10.25	12.997	10.921	276.554	5153.446	276.565	5153.435
8/12/09	11:04:01	10.5	12.712	10.919	277.214	5152.786	277.225	5152.775
8/12/09	11:04:16	10.75	12.463	10.917	277.788	5152.212	277.799	5152.201
8/12/09	11:04:31	11	12.163	10.916	278.480	5151.520	278.491	5151.509
8/12/09	11:04:46	11.25	11.968	10.916	278.931	5151.069	278.942	5151.058
8/12/09	11:05:01	11.5	11.702	10.915	279.545	5150.455	279.556	5150.444
8/12/09	11:05:16	11.75	11.340	10.915	280.380	5149.620	280.391	5149.609
8/12/09	11:05:31	12	11.147	10.913	280.826	5149.174	280.837	5149.163
8/12/09	11:05:46	12.25	10.883	10.912	281.436	5148.564	281.447	5148.553
8/12/09	11:06:01	12.5	10.642	10.911	281.992	5148.008	282.003	5147.997
8/12/09	11:06:16	12.75	10.420	10.912	282.506	5147.494	282.517	5147.483
8/12/09	11:06:31	13	10.161	10.914	283.102	5146.898	283.113	5146.887
8/12/09	11:06:46	13.25	9.937	10.914	283.620	5146.380	283.631	5146.369
8/12/09	11:07:01	13.5	9.777	10.915	283.989	5146.011	284.000	5146.000
8/12/09	11:07:16	13.75	9.519	10.917	284.586	5145.414	284.597	5145.403
8/12/09	11:07:31	14	9.247	10.918	285.213	5144.787	285.224	5144.776
8/12/09	11:07:46	14.25	9.180	10.917	285.369	5144.632	285.380	5144.621
8/12/09	11:08:01	14.5	8.902	10.919	286.010	5143.990	286.021	5143.979
8/12/09	11:08:16	14.75	8.901	10.921	286.011	5143.989	286.022	5143.978
8/12/09	11:08:31	15	8.507	10.923	286.922	5143.078	286.933	5143.067
8/12/09	11:08:46	15.25	8.266	10.924	287.479	5142.521	287.490	5142.510
8/12/09	11:09:01	15.5	8.042	10.928	287.995	5142.005	288.006	5141.994
8/12/09	11:09:16	15.75	8.092	10.928	287.880	5142.120	287.891	5142.109
8/12/09	11:09:31	16	7.632	10.931	288.941	5141.059	288.952	5141.048

Appendix B-5. UMW-11 Water Level Data, Moore Ranch Supplemental Pump Testing

Date	Time	Elapsed Time Minutes	SN#: 137877 PSI	SN#: 137877 Temp - C	SN#: 137877 DTW (ft btoc)	TOC Elev	Corrected DTW	Corrected GW Elev
						5430.000 GW Elevation		
8/12/09	11:09:46	16.25	7.529	10.935	289.179	5140.821	289.190	5140.810
8/12/09	11:10:01	16.5	7.509	10.934	289.227	5140.773	289.238	5140.762
8/12/09	11:10:16	16.75	7.225	10.939	289.881	5140.119	289.892	5140.108
8/12/09	11:10:31	17	6.790	10.944	290.886	5139.114	290.897	5139.103
8/12/09	11:10:46	17.25	6.934	10.943	290.555	5139.445	290.566	5139.434
8/12/09	11:11:01	17.5	6.439	10.946	291.697	5138.303	291.708	5138.292
8/12/09	11:11:16	17.75	6.570	10.950	291.395	5138.605	291.406	5138.594
8/12/09	11:11:31	18	6.258	10.953	292.114	5137.886	292.125	5137.875
8/12/09	11:11:46	18.25	6.031	10.956	292.639	5137.361	292.650	5137.350
8/12/09	11:12:01	18.5	5.925	10.961	292.884	5137.116	292.895	5137.105
8/12/09	11:12:16	18.75	5.669	10.965	293.474	5136.526	293.485	5136.515
8/12/09	11:12:31	19	5.807	10.968	293.156	5136.844	293.167	5136.833
8/12/09	11:12:46	19.25	5.278	10.974	294.378	5135.622	294.389	5135.611
8/12/09	11:13:01	19.5	5.233	10.976	294.480	5135.520	294.491	5135.509
8/12/09	11:13:16	19.75	5.326	10.980	294.266	5135.734	294.277	5135.723
8/12/09	11:13:31	20	5.091	10.987	294.809	5135.191	294.820	5135.180
8/12/09	11:13:46	20.25	4.824	10.991	295.425	5134.575	295.436	5134.564
8/12/09	11:14:01	20.5	4.515	10.991	296.140	5133.860	296.151	5133.849
8/12/09	11:14:16	20.75	4.130	10.999	297.029	5132.971	297.040	5132.960
8/12/09	11:14:31	21	3.841	11.002	297.696	5132.304	297.707	5132.293
8/12/09	11:14:46	21.25	3.838	11.007	297.702	5132.298	297.713	5132.287
8/12/09	11:15:01	21.5	3.479	11.014	298.531	5131.469	298.542	5131.458
8/12/09	11:15:16	21.75	3.151	11.021	299.290	5130.710	299.301	5130.699
8/12/09	11:15:31	22	2.891	11.026	299.888	5130.112	299.899	5130.101
8/12/09	11:15:46	22.25	2.848	11.032	299.989	5130.011	300.000	5130.000
8/12/09	11:16:01	22.5	2.438	11.036	300.935	5129.065	300.946	5129.054
8/12/09	11:16:16	22.75	2.187	11.040	301.514	5128.486	301.525	5128.475
8/12/09	11:16:31	23	1.979	11.046	301.995	5128.005	302.006	5127.994
8/12/09	11:16:46	23.25	1.780	11.053	302.453	5127.547	302.464	5127.536
8/12/09	11:17:01	23.5	1.576	11.062	302.924	5127.076	302.935	5127.065
8/12/09	11:17:16	23.75	1.359	11.068	303.427	5126.573	303.438	5126.562
8/12/09	11:17:31	24	1.148	11.075	303.913	5126.087	303.924	5126.076
8/12/09	11:17:46	24.25	0.955	11.084	304.358	5125.642	304.369	5125.631
8/12/09	11:18:01	24.5	0.747	11.094	304.840	5125.160	304.851	5125.149
8/12/09	11:18:16	24.75	0.555	11.100	305.283	5124.717	305.294	5124.706
8/12/09	11:18:31	25	1.159	11.112	303.888	5126.112	303.899	5126.101
8/12/09	11:18:46	25.25	2.310	11.120	301.231	5128.769	301.242	5128.758
8/12/09	11:19:01	25.5	3.321	11.121	298.895	5131.105	298.906	5131.094
8/12/09	11:19:16	25.75	4.204	11.127	296.858	5133.142	296.869	5133.131
8/12/09	11:19:31	26	4.963	11.133	295.105	5134.895	295.116	5134.884
8/12/09	11:19:46	26.25	5.601	11.136	293.631	5136.369	293.642	5136.358
8/12/09	11:20:01	26.5	6.073	11.139	292.542	5137.458	292.553	5137.447
8/12/09	11:20:16	26.75	6.387	11.141	291.816	5138.184	291.827	5138.173
8/12/09	11:20:31	27	6.568	11.143	291.399	5138.601	291.410	5138.590
8/12/09	11:20:46	27.25	6.707	11.145	291.078	5138.922	291.089	5138.911
8/12/09	11:21:01	27.5	6.847	11.147	290.754	5139.246	290.765	5139.235
8/12/09	11:21:16	27.75	6.984	11.147	290.438	5139.562	290.449	5139.551
8/12/09	11:21:31	28	7.119	11.147	290.127	5139.873	290.138	5139.862
8/12/09	11:21:46	28.25	7.252	11.147	289.818	5140.182	289.829	5140.171
8/12/09	11:22:01	28.5	7.383	11.148	289.516	5140.484	289.527	5140.473
8/12/09	11:22:16	28.75	7.513	11.151	289.217	5140.783	289.228	5140.772
8/12/09	11:22:31	29	7.639	11.150	288.926	5141.074	288.937	5141.063

Appendix B-5. UMW-11 Water Level Data, Moore Ranch Supplemental Pump Testing

Date	Time	Elapsed Time Minutes	SN#: 137877 PSI	SN#: 137877 Temp - C	SN#: 137877 DTW (ft btoc)	TOC Elev	Corrected	Corrected
						5430.000 GW Elevation	DTW	GW Elev
8/12/09	11:22:46	29.25	7.768	11.150	288.629	5141.371	288.640	5141.360
8/12/09	11:23:01	29.5	7.891	11.151	288.345	5141.655	288.356	5141.644
8/12/09	11:23:16	29.75	8.015	11.152	288.057	5141.943	288.068	5141.932
8/12/09	11:23:31	30	8.138	11.153	287.773	5142.227	287.784	5142.216
8/12/09	11:23:46	30.25	8.258	11.152	287.497	5142.503	287.508	5142.492
8/12/09	11:24:01	30.5	8.376	11.150	287.224	5142.776	287.235	5142.765
8/12/09	11:24:16	30.75	8.496	11.152	286.946	5143.054	286.957	5143.043
8/12/09	11:24:31	31	8.613	11.149	286.678	5143.322	286.689	5143.311
8/12/09	11:24:46	31.25	8.727	11.152	286.414	5143.586	286.425	5143.575
8/12/09	11:25:01	31.5	8.841	11.150	286.151	5143.849	286.162	5143.838
8/12/09	11:25:16	31.75	8.953	11.150	285.893	5144.107	285.904	5144.096
8/12/09	11:25:31	32	9.064	11.148	285.636	5144.364	285.647	5144.353
8/12/09	11:25:46	32.25	9.174	11.147	285.381	5144.619	285.392	5144.608
8/12/09	11:26:01	32.5	9.283	11.151	285.129	5144.871	285.140	5144.860
8/12/09	11:26:16	32.75	9.391	11.147	284.881	5145.119	284.892	5145.108
8/12/09	11:26:31	33	9.496	11.144	284.638	5145.362	284.649	5145.351
8/12/09	11:26:46	33.25	9.601	11.149	284.395	5145.605	284.406	5145.594
8/12/09	11:27:01	33.5	9.706	11.146	284.153	5145.847	284.164	5145.836
8/12/09	11:27:16	33.75	9.810	11.146	283.913	5146.087	283.924	5146.076
8/12/09	11:27:31	34	9.913	11.145	283.676	5146.324	283.687	5146.313
8/12/09	11:27:46	34.25	10.011	11.147	283.448	5146.552	283.459	5146.541
8/12/09	11:28:01	34.5	10.109	11.146	283.222	5146.778	283.233	5146.767
8/12/09	11:28:16	34.75	10.209	11.145	282.991	5147.009	283.002	5146.998
8/12/09	11:28:31	35	10.308	11.144	282.764	5147.236	282.775	5147.225
8/12/09	11:28:46	35.25	10.404	11.145	282.542	5147.458	282.553	5147.447
8/12/09	11:29:01	35.5	10.498	11.144	282.326	5147.674	282.337	5147.663
8/12/09	11:29:16	35.75	10.592	11.143	282.106	5147.894	282.117	5147.883
8/12/09	11:29:31	36	10.688	11.146	281.885	5148.115	281.896	5148.104
8/12/09	11:29:46	36.25	10.778	11.142	281.679	5148.321	281.690	5148.310
8/12/09	11:30:01	36.5	10.868	11.145	281.470	5148.530	281.481	5148.519
8/12/09	11:30:16	36.75	10.959	11.145	281.261	5148.739	281.272	5148.728
8/12/09	11:30:31	37	11.047	11.146	281.056	5148.944	281.067	5148.933
8/12/09	11:30:46	37.25	11.136	11.145	280.850	5149.150	280.861	5149.139
8/12/09	11:31:01	37.5	11.224	11.148	280.647	5149.353	280.658	5149.342
8/12/09	11:31:16	37.75	11.309	11.147	280.452	5149.548	280.463	5149.537
8/12/09	11:31:31	38	11.398	11.146	280.247	5149.753	280.258	5149.742
8/12/09	11:31:46	38.25	11.480	11.148	280.057	5149.943	280.068	5149.932
8/12/09	11:32:01	38.5	11.564	11.148	279.864	5150.136	279.875	5150.125
8/12/09	11:32:16	38.75	11.646	11.151	279.674	5150.326	279.685	5150.315
8/12/09	11:32:31	39	11.732	11.150	279.476	5150.524	279.487	5150.513
8/12/09	11:32:46	39.25	11.813	11.155	279.289	5150.711	279.300	5150.700
8/12/09	11:33:01	39.5	11.890	11.151	279.110	5150.890	279.121	5150.879
8/12/09	11:33:16	39.75	11.971	11.154	278.924	5151.076	278.935	5151.065
8/12/09	11:33:31	40	12.051	11.153	278.739	5151.261	278.750	5151.250
8/12/09	11:33:46	40.25	12.129	11.155	278.560	5151.440	278.571	5151.429
8/12/09	11:34:01	40.5	12.208	11.158	278.375	5151.625	278.386	5151.614
8/12/09	11:34:16	40.75	12.278	11.159	278.214	5151.786	278.225	5151.775
8/12/09	11:34:31	41	12.356	11.158	278.035	5151.965	278.046	5151.954
8/12/09	11:34:46	41.25	12.429	11.161	277.865	5152.135	277.876	5152.124
8/12/09	11:35:01	41.5	12.503	11.163	277.694	5152.306	277.705	5152.295
8/12/09	11:35:16	41.75	12.580	11.164	277.516	5152.484	277.527	5152.473
8/12/09	11:35:31	42	12.654	11.167	277.347	5152.653	277.358	5152.642

Appendix B-5. UMW-11 Water Level Data, Moore Ranch Supplemental Pump Testing

Date	Time	Elapsed Minutes	Tin SN#: PSI	137877 Temp - C	SN#: DTW (ft btoc)	TOC Elev	Corrected DTW	Corrected GW Elev
						5430.000 GW Elevation		
8/12/09	11:35:46	42.25	12.725	11.167	277.182	5152.818	277.193	5152.807
8/12/09	11:36:01	42.5	12.797	11.167	277.015	5152.985	277.026	5152.974
8/12/09	11:36:16	42.75	12.867	11.171	276.854	5153.146	276.865	5153.135
8/12/09	11:36:31	43	12.939	11.171	276.689	5153.311	276.700	5153.300
8/12/09	11:36:46	43.25	13.007	11.172	276.532	5153.468	276.543	5153.457
8/12/09	11:37:01	43.5	13.077	11.174	276.369	5153.631	276.380	5153.620
8/12/09	11:37:16	43.75	13.144	11.177	276.215	5153.785	276.226	5153.774
8/12/09	11:37:31	44	13.213	11.178	276.055	5153.945	276.066	5153.934
8/12/09	11:37:46	44.25	13.281	11.179	275.900	5154.100	275.911	5154.089
8/12/09	11:38:01	44.5	13.346	11.178	275.750	5154.250	275.761	5154.239
8/12/09	11:38:16	44.75	13.412	11.183	275.596	5154.404	275.607	5154.393
8/12/09	11:38:31	45	13.479	11.184	275.441	5154.559	275.452	5154.548
8/12/09	11:38:46	45.25	13.544	11.184	275.292	5154.708	275.303	5154.697
8/12/09	11:39:01	45.5	13.607	11.185	275.147	5154.853	275.158	5154.842
8/12/09	11:39:16	45.75	13.669	11.182	275.003	5154.997	275.014	5154.986
8/12/09	11:39:31	46	13.729	11.184	274.865	5155.135	274.876	5155.124
8/12/09	11:39:46	46.25	13.793	11.185	274.716	5155.284	274.727	5155.273
8/12/09	11:40:01	46.5	13.850	11.187	274.584	5155.416	274.595	5155.405
8/12/09	11:40:16	46.75	13.914	11.186	274.437	5155.563	274.448	5155.552
8/12/09	11:40:31	47	13.970	11.185	274.307	5155.693	274.318	5155.682
8/12/09	11:40:46	47.25	14.033	11.191	274.162	5155.838	274.173	5155.827
8/12/09	11:41:01	47.5	14.093	11.192	274.024	5155.976	274.035	5155.965
8/12/09	11:41:16	47.75	14.151	11.189	273.889	5156.111	273.900	5156.100
8/12/09	11:41:31	48	14.211	11.196	273.751	5156.249	273.762	5156.238
8/12/09	11:41:46	48.25	14.267	11.196	273.621	5156.379	273.632	5156.368
8/12/09	11:42:01	48.5	14.324	11.199	273.490	5156.510	273.501	5156.499
8/12/09	11:42:16	48.75	14.380	11.200	273.361	5156.639	273.372	5156.628
8/12/09	11:42:31	49	14.435	11.204	273.233	5156.767	273.244	5156.756
8/12/09	11:42:46	49.25	14.490	11.201	273.106	5156.894	273.117	5156.883
8/12/09	11:43:01	49.5	14.544	11.206	272.983	5157.017	272.994	5157.006
8/12/09	11:43:16	49.75	14.599	11.206	272.856	5157.144	272.867	5157.133
8/12/09	11:43:31	50	14.652	11.207	272.732	5157.268	272.743	5157.257
8/12/09	11:43:46	50.25	14.705	11.208	272.610	5157.390	272.621	5157.379
8/12/09	11:44:01	50.5	14.765	11.213	272.471	5157.529	272.482	5157.518
8/12/09	11:44:16	50.75	14.811	11.214	272.365	5157.635	272.376	5157.624
8/12/09	11:44:31	51	14.863	11.217	272.246	5157.754	272.257	5157.743
8/12/09	11:44:46	51.25	14.917	11.218	272.121	5157.879	272.132	5157.868
8/12/09	11:45:01	51.5	14.965	11.222	272.011	5157.989	272.022	5157.978
8/12/09	11:45:16	51.75	15.014	11.226	271.896	5158.104	271.907	5158.093
8/12/09	11:45:31	52	15.063	11.228	271.784	5158.216	271.795	5158.205
8/12/09	11:45:46	52.25	15.117	11.229	271.659	5158.341	271.670	5158.330
8/12/09	11:46:01	52.5	15.160	11.231	271.560	5158.440	271.571	5158.429
8/12/09	11:46:16	52.75	15.209	11.238	271.446	5158.554	271.457	5158.543
8/12/09	11:46:31	53	15.257	11.241	271.336	5158.664	271.347	5158.653
8/12/09	11:46:46	53.25	15.303	11.246	271.229	5158.771	271.240	5158.760
8/12/09	11:47:01	53.5	15.352	11.246	271.118	5158.882	271.129	5158.871
8/12/09	11:47:16	53.75	15.397	11.245	271.012	5158.988	271.023	5158.977
8/12/09	11:47:31	54	15.446	11.248	270.901	5159.099	270.912	5159.088
8/12/09	11:47:46	54.25	15.495	11.251	270.787	5159.213	270.798	5159.202
8/12/09	11:48:01	54.5	15.539	11.252	270.685	5159.315	270.696	5159.304
8/12/09	11:48:16	54.75	15.585	11.258	270.578	5159.422	270.589	5159.411
8/12/09	11:48:31	55	15.634	11.256	270.466	5159.534	270.477	5159.523

Appendix B-5. UMW-11 Water Level Data, Moore Ranch Supplemental Pump Testing

Date	Time	Elapsed Minutes	Tin PSI	SN#: 1377 Temp - C	SN#: 137877 DTW (ft btoc)	TOC Elev	Corrected DTW	Corrected GW Elev
						5430.000 GW Elevation		
8/12/09	11:48:46	55.25	15.675	11.259	270.371	5159.629	270.382	5159.618
8/12/09	11:49:01	55.5	15.720	11.264	270.267	5159.733	270.278	5159.722
8/12/09	11:49:16	55.75	15.767	11.264	270.158	5159.842	270.169	5159.831
8/12/09	11:49:31	56	15.807	11.265	270.067	5159.933	270.078	5159.922
8/12/09	11:49:46	56.25	15.851	11.268	269.965	5160.035	269.976	5160.024
8/12/09	11:50:01	56.5	15.897	11.270	269.858	5160.142	269.869	5160.131
8/12/09	11:50:16	56.75	15.939	11.275	269.761	5160.239	269.772	5160.228
8/12/09	11:50:31	57	15.982	11.275	269.663	5160.337	269.674	5160.326
8/12/09	11:50:46	57.25	16.023	11.282	269.568	5160.432	269.579	5160.421
8/12/09	11:51:01	57.5	16.063	11.283	269.475	5160.525	269.486	5160.514
8/12/09	11:51:16	57.75	16.104	11.281	269.379	5160.621	269.390	5160.610
8/12/09	11:51:31	58	16.143	11.287	269.289	5160.711	269.300	5160.700
8/12/09	11:51:46	58.25	16.186	11.292	269.191	5160.809	269.202	5160.798
8/12/09	11:52:01	58.5	16.225	11.292	269.102	5160.898	269.113	5160.887
8/12/09	11:52:16	58.75	16.265	11.294	269.009	5160.991	269.020	5160.980
8/12/09	11:52:31	59	16.302	11.299	268.922	5161.078	268.933	5161.067
8/12/09	11:52:46	59.25	16.340	11.299	268.835	5161.165	268.846	5161.154
8/12/09	11:53:01	59.5	16.377	11.303	268.750	5161.250	268.761	5161.239
8/12/09	11:53:16	59.75	16.415	11.305	268.662	5161.338	268.673	5161.327
8/12/09	11:53:31	60	16.452	11.306	268.578	5161.422	268.589	5161.411
8/12/09	11:53:46	60.25	16.489	11.309	268.492	5161.508	268.503	5161.497
8/12/09	11:54:01	60.5	16.525	11.311	268.409	5161.591	268.420	5161.580
8/12/09	11:54:16	60.75	16.561	11.310	268.324	5161.676	268.335	5161.665
8/12/09	11:54:31	61	16.598	11.312	268.240	5161.760	268.251	5161.749
8/12/09	11:54:46	61.25	16.638	11.315	268.148	5161.852	268.159	5161.841
8/12/09	11:55:01	61.5	16.669	11.313	268.075	5161.925	268.086	5161.914
8/12/09	11:55:16	61.75	16.703	11.314	267.998	5162.002	268.009	5161.991
8/12/09	11:55:31	62	16.738	11.312	267.917	5162.083	267.928	5162.072
8/12/09	11:55:46	62.25	16.774	11.314	267.834	5162.166	267.845	5162.155
8/12/09	11:56:01	62.5	16.808	11.314	267.756	5162.244	267.767	5162.233
8/12/09	11:56:16	62.75	16.842	11.317	267.677	5162.323	267.688	5162.312
8/12/09	11:56:31	63	16.875	11.319	267.600	5162.400	267.611	5162.389
8/12/09	11:56:46	63.25	16.907	11.322	267.526	5162.474	267.537	5162.463
8/12/09	11:57:01	63.5	16.940	11.325	267.450	5162.550	267.461	5162.539
8/12/09	11:57:16	63.75	16.973	11.327	267.375	5162.625	267.386	5162.614
8/12/09	11:57:31	64	17.006	11.328	267.299	5162.701	267.310	5162.690
8/12/09	11:57:46	64.25	17.037	11.331	267.225	5162.775	267.236	5162.764
8/12/09	11:58:01	64.5	17.071	11.334	267.147	5162.853	267.158	5162.842
8/12/09	11:58:16	64.75	17.101	11.334	267.078	5162.922	267.089	5162.911
8/12/09	11:58:31	65	17.134	11.335	267.002	5162.998	267.013	5162.987
8/12/09	11:58:46	65.25	17.166	11.336	266.929	5163.071	266.940	5163.060
8/12/09	11:59:01	65.5	17.196	11.338	266.859	5163.141	266.870	5163.130
8/12/09	11:59:16	65.75	17.224	11.337	266.793	5163.207	266.804	5163.196
8/12/09	11:59:31	66	17.257	11.343	266.717	5163.283	266.728	5163.272
8/12/09	11:59:46	66.25	17.286	11.349	266.652	5163.348	266.663	5163.337
8/12/09	12:00:01	66.5	17.316	11.353	266.581	5163.419	266.592	5163.408
8/12/09	12:00:16	66.75	17.348	11.355	266.508	5163.492	266.519	5163.481
8/12/09	12:00:31	67	17.378	11.360	266.440	5163.560	266.451	5163.549
8/12/09	12:00:46	67.25	17.402	11.364	266.383	5163.617	266.394	5163.606
8/12/09	12:01:01	67.5	17.437	11.369	266.303	5163.697	266.314	5163.686
8/12/09	12:01:16	67.75	17.459	11.368	266.252	5163.748	266.263	5163.737
8/12/09	12:01:31	68	17.491	11.374	266.178	5163.822	266.189	5163.811

Appendix B-5. UMW-11 Water Level Data, Moore Ranch Supplemental Pump Testing

Date	Time	Elapsed Minutes	Tin SN#: 1377 PSI	SN#: 137877 Temp - C	SN#: 137877 DTW (ft btoc)	TOC Elev	Corrected	Corrected
						5430.000 GW Elevation	DTW	GW Elev
8/12/09	12:01:46	68.25	17.519	11.375	266.114	5163.886	266.125	5163.875
8/12/09	12:02:01	68.5	17.545	11.377	266.054	5163.946	266.065	5163.935
8/12/09	12:02:16	68.75	17.575	11.378	265.985	5164.015	265.996	5164.004
8/12/09	12:02:31	69	17.601	11.384	265.925	5164.075	265.936	5164.064
8/12/09	12:02:46	69.25	17.628	11.386	265.861	5164.139	265.872	5164.128
8/12/09	12:03:01	69.5	17.655	11.390	265.800	5164.200	265.811	5164.189
8/12/09	12:03:16	69.75	17.682	11.388	265.736	5164.264	265.747	5164.253
8/12/09	12:03:31	70	17.708	11.392	265.677	5164.323	265.688	5164.312
8/12/09	12:03:46	70.25	17.735	11.393	265.615	5164.385	265.626	5164.374
8/12/09	12:04:01	70.5	17.762	11.396	265.552	5164.448	265.563	5164.437
8/12/09	12:05:21	0	17.905	11.387	265.435	5164.565	265.446	5164.554
8/12/09	12:10:21	5	18.410	11.379	264.268	5165.732	264.279	5165.721
8/12/09	12:15:21	10	18.814	11.401	263.334	5166.666	263.345	5166.655
8/12/09	12:20:21	15	19.259	11.410	262.308	5167.692	262.319	5167.681
8/12/09	12:25:21	20	19.547	11.407	261.643	5168.357	261.654	5168.346
8/12/09	12:30:21	25	19.776	11.432	261.114	5168.886	261.125	5168.875
8/12/09	12:35:21	30	19.969	11.427	260.669	5169.331	260.680	5169.320
8/12/09	12:40:21	35	20.134	11.429	260.287	5169.713	260.298	5169.702
8/12/09	12:45:21	40	20.282	11.399	259.944	5170.056	259.955	5170.045
8/12/09	12:50:21	45	20.406	11.400	259.659	5170.341	259.670	5170.330
8/12/09	12:55:21	50	20.519	11.393	259.398	5170.602	259.409	5170.591
8/12/09	13:00:21	55	20.623	11.372	259.159	5170.841	259.170	5170.830
8/12/09	13:05:21	60	20.711	11.362	258.956	5171.044	258.967	5171.033
8/12/09	13:10:21	65	20.791	11.334	258.771	5171.229	258.782	5171.218
8/12/09	13:15:21	70	20.862	11.322	258.606	5171.394	258.617	5171.383
8/12/09	13:20:21	75	20.925	11.331	258.461	5171.539	258.472	5171.528
8/12/09	13:25:21	80	20.981	11.320	258.331	5171.669	258.342	5171.658
8/12/09	13:30:21	85	21.034	11.312	258.208	5171.792	258.219	5171.781
8/12/09	13:35:21	90	21.081	11.296	258.101	5171.899	258.112	5171.888
8/12/09	13:40:21	95	21.119	11.285	258.012	5171.988	258.023	5171.977
8/12/09	13:45:21	100	21.158	11.287	257.921	5172.079	257.932	5172.068
8/12/09	13:50:21	105	21.195	11.273	257.838	5172.162	257.849	5172.151
8/12/09	13:55:21	110	21.226	11.243	257.765	5172.235	257.776	5172.224
8/12/09	14:00:21	115	21.255	11.240	257.699	5172.301	257.710	5172.290
8/12/09	14:05:21	120	21.282	11.231	257.636	5172.364	257.647	5172.353
8/12/09	14:10:21	125	21.303	11.208	257.588	5172.412	257.599	5172.401
8/12/09	14:15:21	130	21.330	11.219	257.526	5172.474	257.537	5172.463
8/12/09	14:20:21	135	21.350	11.213	257.480	5172.520	257.491	5172.509
8/12/09	14:25:21	140	21.363	11.210	257.448	5172.552	257.459	5172.541
8/12/09	14:30:21	145	21.387	11.213	257.393	5172.607	257.404	5172.596
8/12/09	14:35:21	150	21.401	11.204	257.363	5172.637	257.374	5172.626
8/12/09	14:40:21	155	21.416	11.192	257.327	5172.673	257.338	5172.662
8/12/09	14:45:21	160	21.430	11.186	257.295	5172.705	257.306	5172.694
8/12/09	14:50:21	165	21.444	11.171	257.263	5172.737	257.274	5172.726
8/12/09	14:55:21	170	21.458	11.166	257.231	5172.769	257.242	5172.758
8/12/09	15:00:21	175	21.469	11.156	257.205	5172.795	257.216	5172.784
8/12/09	15:05:21	180	21.479	11.159	257.182	5172.818	257.193	5172.807
8/12/09	15:10:21	185	21.490	11.154	257.157	5172.843	257.168	5172.832
8/12/09	15:15:21	190	21.499	11.149	257.135	5172.865	257.146	5172.854
8/12/09	15:20:21	195	21.508	11.142	257.114	5172.886	257.125	5172.875
8/12/09	15:25:21	200	21.513	11.124	257.102	5172.898	257.113	5172.887
8/12/09	15:30:21	205	21.525	11.110	257.076	5172.924	257.087	5172.913

Appendix B-5. UMW-11 Water Level Data, Moore Ranch Supplemental Pump Testing

Date	Time	Elapsed Time Minutes	SN#: 137877 PSI	SN#: 137877 Temp - C	SN#: 137877 DTW (ft btoc)	TOC Elev	Corrected	Corrected
						5430.000 GW Elevation	DTW	GW Elev
8/12/09	15:35:21	210	21.534	11.112	257.055	5172.945	257.066	5172.934
8/12/09	15:40:21	215	21.539	11.113	257.044	5172.956	257.055	5172.945
8/12/09	15:45:21	220	21.545	11.111	257.029	5172.971	257.040	5172.960
8/12/09	15:50:21	225	21.550	11.110	257.016	5172.984	257.027	5172.973
8/12/09	15:55:21	230	21.557	11.103	257.001	5172.999	257.012	5172.988
8/12/09	16:00:21	235	21.561	11.104	256.991	5173.009	257.002	5172.998
8/12/09	16:05:21	240	21.573	11.094	256.964	5173.036	256.975	5173.025
8/12/09	16:10:21	245	21.578	11.075	256.954	5173.046	256.965	5173.035
8/12/09	16:15:21	250	21.584	11.072	256.940	5173.060	256.951	5173.049
8/12/09	16:20:21	255	21.590	11.066	256.925	5173.075	256.936	5173.064
8/12/09	16:25:21	260	21.593	11.060	256.918	5173.082	256.929	5173.071
8/12/09	16:30:21	265	21.594	11.050	256.916	5173.084	256.927	5173.073
8/12/09	16:35:21	270	21.604	11.046	256.893	5173.107	256.904	5173.096
8/12/09	16:40:21	275	21.607	11.046	256.886	5173.114	256.897	5173.103
8/12/09	16:45:21	280	21.610	11.038	256.878	5173.122	256.889	5173.111
8/12/09	16:50:21	285	21.615	11.038	256.867	5173.133	256.878	5173.122
8/12/09	16:55:21	290	21.620	11.041	256.857	5173.143	256.868	5173.132
8/12/09	17:00:21	295	21.618	11.035	256.861	5173.139	256.872	5173.128
8/12/09	17:05:21	300	21.620	11.032	256.856	5173.144	256.867	5173.133
8/12/09	17:10:21	305	21.624	11.023	256.846	5173.154	256.857	5173.143
8/12/09	17:15:21	310	21.628	11.033	256.838	5173.162	256.849	5173.151
8/12/09	17:20:21	315	21.635	11.020	256.822	5173.178	256.833	5173.167
8/12/09	17:25:21	320	21.633	11.021	256.827	5173.173	256.838	5173.162
8/12/09	17:30:21	325	21.636	11.021	256.819	5173.181	256.830	5173.170
8/12/09	17:35:21	330	21.640	11.012	256.809	5173.191	256.820	5173.180
8/12/09	17:40:21	335	21.644	11.005	256.801	5173.199	256.812	5173.188
8/12/09	17:45:21	340	21.645	11.008	256.797	5173.203	256.808	5173.192
8/12/09	17:50:21	345	21.650	11.008	256.787	5173.213	256.798	5173.202
8/12/09	17:55:21	350	21.648	11.013	256.792	5173.208	256.803	5173.197
8/12/09	18:00:21	355	21.653	11.003	256.780	5173.220	256.791	5173.209
8/12/09	18:05:21	360	21.654	11.005	256.778	5173.222	256.789	5173.211
8/12/09	18:10:21	365	21.656	11.003	256.774	5173.226	256.785	5173.215
8/12/09	18:15:21	370	21.660	10.993	256.764	5173.236	256.775	5173.225
8/12/09	18:20:21	375	21.663	10.999	256.757	5173.243	256.768	5173.232
8/12/09	18:25:21	380	21.664	11.002	256.755	5173.245	256.766	5173.234
8/12/09	18:30:21	385	21.665	11.004	256.752	5173.248	256.763	5173.237
8/12/09	18:35:21	390	21.664	10.999	256.753	5173.247	256.764	5173.236
8/12/09	18:40:21	395	21.668	11.007	256.744	5173.256	256.755	5173.245
8/12/09	18:45:21	400	21.670	10.998	256.741	5173.259	256.752	5173.248
8/12/09	18:50:21	405	21.671	10.991	256.739	5173.261	256.750	5173.250
8/12/09	18:55:21	410	21.672	10.989	256.737	5173.263	256.748	5173.252
8/12/09	19:00:21	415	21.673	10.983	256.734	5173.266	256.745	5173.255
8/12/09	19:05:21	420	21.673	10.981	256.733	5173.267	256.744	5173.256
8/12/09	19:10:21	425	21.677	10.987	256.725	5173.275	256.736	5173.264
8/12/09	19:15:21	430	21.678	10.989	256.721	5173.279	256.732	5173.268
8/12/09	19:20:21	435	21.680	10.987	256.718	5173.282	256.729	5173.271
8/12/09	19:25:21	440	21.680	10.985	256.717	5173.283	256.728	5173.272
8/12/09	19:30:21	445	21.682	10.978	256.712	5173.288	256.723	5173.277
8/12/09	19:35:21	450	21.684	10.975	256.707	5173.293	256.718	5173.282
8/12/09	19:40:21	455	21.685	10.972	256.707	5173.293	256.718	5173.282
8/12/09	19:45:21	460	21.687	10.958	256.702	5173.298	256.713	5173.287
8/12/09	19:50:21	465	21.688	10.959	256.700	5173.300	256.711	5173.289

Appendix B-5. UMW-11 Water Level Data, Moore Ranch Supplemental Pump Testing

Date	Time	Elapsed Minutes	Tin SN#: 137877 PSI	SN#: 137877 Temp - C	SN#: 137877 DTW (ft btoc)	TOC Elev	Corrected DTW	Corrected GW Elev
						5430.000 GW Elevation		
8/12/09	19:55:21	470	21.689	10.958	256.697	5173.303	256.708	5173.292
8/12/09	20:00:21	475	21.691	10.955	256.693	5173.307	256.704	5173.296
8/12/09	20:05:21	480	21.691	10.953	256.693	5173.307	256.704	5173.296
8/12/09	20:10:21	485	21.691	10.953	256.691	5173.309	256.702	5173.298
8/12/09	20:15:21	490	21.688	10.950	256.699	5173.301	256.710	5173.290
8/12/09	20:20:21	495	21.694	10.952	256.685	5173.315	256.696	5173.304
8/12/09	20:25:21	500	21.696	10.950	256.681	5173.319	256.692	5173.308
8/12/09	20:30:21	505	21.695	10.949	256.681	5173.319	256.692	5173.308
8/12/09	20:35:21	510	21.696	10.951	256.680	5173.320	256.691	5173.309
8/12/09	20:40:21	515	21.695	10.941	256.684	5173.316	256.695	5173.305
8/12/09	20:45:21	520	21.699	10.940	256.674	5173.326	256.685	5173.315
8/12/09	20:50:21	525	21.696	10.942	256.681	5173.319	256.692	5173.308
8/12/09	20:55:21	530	21.701	10.944	256.669	5173.331	256.680	5173.320
8/12/09	21:00:21	535	21.702	10.937	256.667	5173.333	256.678	5173.322
8/12/09	21:05:21	540	21.702	10.940	256.667	5173.333	256.678	5173.322
8/12/09	21:10:21	545	21.700	10.939	256.672	5173.328	256.683	5173.317
8/12/09	21:15:21	550	21.700	10.946	256.671	5173.329	256.682	5173.318
8/12/09	21:20:21	555	21.701	10.944	256.669	5173.331	256.680	5173.320
8/12/09	21:25:21	560	21.705	10.941	256.659	5173.341	256.670	5173.330
8/12/09	21:30:21	565	21.701	10.940	256.668	5173.332	256.679	5173.321
8/12/09	21:35:21	570	21.706	10.942	256.657	5173.343	256.668	5173.332
8/12/09	21:40:21	575	21.707	10.944	256.655	5173.345	256.666	5173.334
8/12/09	21:45:21	580	21.704	10.941	256.661	5173.339	256.672	5173.328
8/12/09	21:50:21	585	21.704	10.936	256.662	5173.338	256.673	5173.327
8/12/09	21:55:21	590	21.705	10.935	256.660	5173.340	256.671	5173.329
8/12/09	22:00:21	595	21.706	10.939	256.658	5173.342	256.669	5173.331
8/12/09	22:05:21	600	21.711	10.931	256.645	5173.355	256.656	5173.344
8/12/09	22:10:21	605	21.707	10.928	256.655	5173.345	256.666	5173.334
8/12/09	22:15:21	610	21.708	10.931	256.652	5173.348	256.663	5173.337
8/12/09	22:20:21	615	21.708	10.930	256.652	5173.348	256.663	5173.337
8/12/09	22:25:21	620	21.708	10.927	256.653	5173.347	256.664	5173.336
8/12/09	22:30:21	625	21.708	10.921	256.652	5173.348	256.663	5173.337
8/12/09	22:35:21	630	21.709	10.927	256.649	5173.351	256.660	5173.340
8/12/09	22:40:21	635	21.709	10.923	256.650	5173.350	256.661	5173.339
8/12/09	22:45:21	640	21.711	10.926	256.646	5173.354	256.657	5173.343
8/12/09	22:50:21	645	21.710	10.924	256.648	5173.352	256.659	5173.341
8/12/09	22:55:21	650	21.710	10.926	256.647	5173.353	256.658	5173.342
8/12/09	23:00:21	655	21.713	10.922	256.642	5173.358	256.653	5173.347
8/12/09	23:05:21	660	21.712	10.923	256.644	5173.356	256.655	5173.345
8/12/09	23:10:21	665	21.713	10.925	256.641	5173.359	256.652	5173.348
8/12/09	23:15:21	670	21.714	10.932	256.639	5173.361	256.650	5173.350
8/12/09	23:20:21	675	21.714	10.928	256.640	5173.360	256.651	5173.349
8/12/09	23:25:21	680	21.715	10.924	256.636	5173.364	256.647	5173.353
8/12/09	23:30:21	685	21.715	10.919	256.637	5173.363	256.648	5173.352
8/12/09	23:35:21	690	21.716	10.923	256.634	5173.366	256.645	5173.355
8/12/09	23:40:21	695	21.715	10.930	256.637	5173.363	256.648	5173.352
8/12/09	23:45:21	700	21.716	10.923	256.634	5173.366	256.645	5173.355
8/12/09	23:50:21	705	21.717	10.924	256.633	5173.367	256.644	5173.356
8/12/09	23:55:21	710	21.716	10.927	256.634	5173.366	256.645	5173.355
8/13/09	0:00:21	715	21.718	10.930	256.631	5173.369	256.642	5173.358
8/13/09	0:05:21	720	21.717	10.928	256.631	5173.369	256.642	5173.358
8/13/09	0:10:21	725	21.718	10.921	256.630	5173.370	256.641	5173.359

Appendix B-5. UMW-11 Water Level Data, Moore Ranch Supplemental Pump Testing

Date	Time	Elapsed Minutes	Tin SN#: 1377	SN#: 137877	SN#: 137877	TOC Elev		Corrected DTW	Corrected GW Elev
						5430.000	GW Elevation		
8/13/09	0:15:21	730	21.719	10.916	256.627	5173.373	256.638	5173.362	
8/13/09	0:20:21	735	21.719	10.918	256.628	5173.372	256.639	5173.361	
8/13/09	0:25:21	740	21.719	10.926	256.628	5173.372	256.639	5173.361	
8/13/09	0:30:21	745	21.719	10.924	256.627	5173.373	256.638	5173.362	
8/13/09	0:35:21	750	21.720	10.920	256.625	5173.375	256.636	5173.364	
8/13/09	0:40:21	755	21.719	10.917	256.626	5173.374	256.637	5173.363	
8/13/09	0:45:21	760	21.719	10.914	256.627	5173.373	256.638	5173.362	
8/13/09	0:50:21	765	21.719	10.917	256.628	5173.372	256.639	5173.361	
8/13/09	0:55:21	770	21.719	10.920	256.626	5173.374	256.637	5173.363	
8/13/09	1:00:21	775	21.719	10.918	256.626	5173.374	256.637	5173.363	
8/13/09	1:05:21	780	21.721	10.919	256.623	5173.377	256.634	5173.366	
8/13/09	1:10:21	785	21.721	10.920	256.623	5173.377	256.634	5173.366	
8/13/09	1:15:21	790	21.720	10.926	256.625	5173.375	256.636	5173.364	
8/13/09	1:20:21	795	21.721	10.920	256.624	5173.376	256.635	5173.365	
8/13/09	1:25:21	800	21.721	10.917	256.623	5173.377	256.634	5173.366	
8/13/09	1:30:21	805	21.722	10.912	256.619	5173.381	256.630	5173.370	
8/13/09	1:35:21	810	21.721	10.916	256.623	5173.377	256.634	5173.366	
8/13/09	1:40:21	815	21.722	10.918	256.621	5173.379	256.632	5173.368	
8/13/09	1:45:21	820	21.723	10.917	256.618	5173.382	256.629	5173.371	
8/13/09	1:50:21	825	21.723	10.919	256.618	5173.382	256.629	5173.371	
8/13/09	1:55:21	830	21.723	10.917	256.619	5173.381	256.630	5173.370	
8/13/09	2:00:21	835	21.723	10.915	256.619	5173.381	256.630	5173.370	
8/13/09	2:05:21	840	21.724	10.916	256.616	5173.384	256.627	5173.373	
8/13/09	2:10:21	845	21.723	10.912	256.619	5173.381	256.630	5173.370	
8/13/09	2:15:21	850	21.724	10.907	256.616	5173.384	256.627	5173.373	
8/13/09	2:20:21	855	21.724	10.909	256.616	5173.384	256.627	5173.373	
8/13/09	2:25:21	860	21.724	10.912	256.615	5173.385	256.626	5173.374	
8/13/09	2:30:21	865	21.725	10.914	256.614	5173.386	256.625	5173.375	
8/13/09	2:35:21	870	21.726	10.910	256.612	5173.388	256.623	5173.377	
8/13/09	2:40:21	875	21.725	10.913	256.613	5173.387	256.624	5173.376	
8/13/09	2:45:21	880	21.725	10.910	256.614	5173.386	256.625	5173.375	
8/13/09	2:50:21	885	21.726	10.914	256.611	5173.389	256.622	5173.378	
8/13/09	2:55:21	890	21.726	10.913	256.611	5173.389	256.622	5173.378	
8/13/09	3:00:21	895	21.726	10.910	256.611	5173.389	256.622	5173.378	
8/13/09	3:05:21	900	21.725	10.907	256.613	5173.387	256.624	5173.376	
8/13/09	3:10:21	905	21.728	10.909	256.607	5173.393	256.618	5173.382	
8/13/09	3:15:21	910	21.727	10.910	256.610	5173.390	256.621	5173.379	
8/13/09	3:20:21	915	21.726	10.908	256.611	5173.389	256.622	5173.378	
8/13/09	3:25:21	920	21.728	10.901	256.605	5173.395	256.616	5173.384	
8/13/09	3:30:21	925	21.727	10.900	256.608	5173.392	256.619	5173.381	
8/13/09	3:35:21	930	21.729	10.894	256.605	5173.395	256.616	5173.384	
8/13/09	3:40:21	935	21.728	10.894	256.606	5173.394	256.617	5173.383	
8/13/09	3:45:21	940	21.729	10.894	256.605	5173.395	256.616	5173.384	
8/13/09	3:50:21	945	21.728	10.897	256.606	5173.394	256.617	5173.383	
8/13/09	3:55:21	950	21.728	10.898	256.607	5173.393	256.618	5173.382	
8/13/09	4:00:21	955	21.729	10.898	256.604	5173.396	256.615	5173.385	
8/13/09	4:05:21	960	21.729	10.900	256.603	5173.397	256.614	5173.386	
8/13/09	4:10:21	965	21.729	10.904	256.603	5173.397	256.614	5173.386	
8/13/09	4:15:21	970	21.729	10.908	256.604	5173.396	256.615	5173.385	
8/13/09	4:20:21	975	21.730	10.900	256.603	5173.397	256.614	5173.386	
8/13/09	4:25:21	980	21.730	10.898	256.603	5173.397	256.614	5173.386	
8/13/09	4:30:21	985	21.730	10.897	256.602	5173.398	256.613	5173.387	

Appendix B-5. UMW-11 Water Level Data, Moore Ranch Supplemental Pump Testing

Date	Time	Elapsed Time Minutes	SN#: 137877 PSI	SN#: 137877 Temp - C	SN#: 137877 DTW (ft btoc)	TOC Elev	Corrected DTW	Corrected GW Elev
						5430.000 GW Elevation		
8/13/09	4:35:21	990	21.730	10.899	256.602	5173.398	256.613	5173.387
8/13/09	4:40:21	995	21.730	10.901	256.602	5173.398	256.613	5173.387
8/13/09	4:45:21	1000	21.729	10.909	256.605	5173.395	256.616	5173.384
8/13/09	4:50:21	1005	21.730	10.907	256.601	5173.399	256.612	5173.388
8/13/09	4:55:21	1010	21.730	10.906	256.602	5173.398	256.613	5173.387
8/13/09	5:00:21	1015	21.731	10.906	256.599	5173.401	256.610	5173.390
8/13/09	5:05:21	1020	21.731	10.906	256.601	5173.399	256.612	5173.388
8/13/09	5:10:21	1025	21.730	10.901	256.602	5173.398	256.613	5173.387
8/13/09	5:15:21	1030	21.732	10.902	256.598	5173.402	256.609	5173.391
8/13/09	5:20:21	1035	21.731	10.901	256.599	5173.401	256.610	5173.390
8/13/09	5:25:21	1040	21.731	10.913	256.600	5173.400	256.611	5173.389
8/13/09	5:30:21	1045	21.732	10.911	256.597	5173.403	256.608	5173.392
8/13/09	5:35:21	1050	21.732	10.908	256.598	5173.402	256.609	5173.391
8/13/09	5:40:21	1055	21.731	10.902	256.599	5173.401	256.610	5173.390
8/13/09	5:45:21	1060	21.732	10.904	256.598	5173.402	256.609	5173.391
8/13/09	5:50:21	1065	21.731	10.902	256.599	5173.401	256.610	5173.390
8/13/09	5:55:21	1070	21.731	10.899	256.598	5173.402	256.609	5173.391
8/13/09	6:00:21	1075	21.732	10.900	256.598	5173.402	256.609	5173.391
8/13/09	6:05:21	1080	21.732	10.905	256.597	5173.403	256.608	5173.392
8/13/09	6:10:21	1085	21.731	10.903	256.599	5173.401	256.610	5173.390
8/13/09	6:15:21	1090	21.733	10.906	256.596	5173.404	256.607	5173.393
8/13/09	6:20:21	1095	21.732	10.903	256.596	5173.404	256.607	5173.393
8/13/09	6:25:21	1100	21.733	10.894	256.595	5173.405	256.606	5173.394
8/13/09	6:30:21	1105	21.732	10.898	256.597	5173.403	256.608	5173.392
8/13/09	6:35:21	1110	21.733	10.912	256.596	5173.404	256.607	5173.393
8/13/09	6:40:21	1115	21.732	10.911	256.597	5173.403	256.608	5173.392
8/13/09	6:45:21	1120	21.733	10.902	256.595	5173.405	256.606	5173.394
8/13/09	6:50:21	1125	21.733	10.899	256.594	5173.406	256.605	5173.395
8/13/09	6:55:21	1130	21.734	10.904	256.594	5173.406	256.605	5173.395
8/13/09	7:00:21	1135	21.734	10.902	256.593	5173.407	256.604	5173.396
8/13/09	7:05:21	1140	21.737	10.899	256.586	5173.414	256.597	5173.403
8/13/09	7:10:21	1145	21.737	10.896	256.586	5173.414	256.597	5173.403
8/13/09	7:15:21	1150	21.739	10.894	256.582	5173.418	256.593	5173.407
8/13/09	7:20:01	0	21.751	10.907	256.571	5173.429	256.582	5173.418
8/13/09	7:20:16	0.25	21.755	10.919	256.563	5173.437	256.574	5173.426
8/13/09	7:20:31	0.5	21.755	10.920	256.563	5173.437	256.574	5173.426
8/13/09	7:20:46	0.75	21.756	10.926	256.560	5173.440	256.571	5173.429
8/13/09	7:21:01	1	21.756	10.928	256.560	5173.440	256.571	5173.429
8/13/09	7:21:16	1.25	21.756	10.926	256.561	5173.439	256.572	5173.428
8/13/09	7:21:31	1.5	21.755	10.930	256.562	5173.438	256.573	5173.427
8/13/09	7:21:46	1.75	21.757	10.932	256.558	5173.442	256.569	5173.431
8/13/09	7:22:01	2	21.757	10.934	256.557	5173.443	256.568	5173.432
8/13/09	7:22:16	2.25	21.756	10.932	256.560	5173.440	256.571	5173.429
8/13/09	7:22:31	2.5	21.757	10.929	256.559	5173.441	256.570	5173.430
8/13/09	7:22:46	2.75	21.757	10.931	256.557	5173.443	256.568	5173.432
8/13/09	7:23:01	3	21.911	10.934	256.203	5173.797	256.214	5173.786
8/13/09	7:23:16	3.25	19.604	10.934	261.529	5168.471	261.540	5168.460
8/13/09	7:23:31	3.5	18.161	10.928	264.862	5165.138	264.873	5165.127
8/13/09	7:23:46	3.75	17.175	10.931	267.137	5162.863	267.148	5162.852
8/13/09	7:24:01	4	16.816	10.925	267.966	5162.034	267.977	5162.023
8/13/09	7:24:16	4.25	16.352	10.923	269.039	5160.961	269.050	5160.950
8/13/09	7:24:31	4.5	16.094	10.921	269.634	5160.366	269.645	5160.355

Appendix B-5. UMW-11 Water Level Data, Moore Ranch Supplemental Pump Testing

Date	Time	Elapsed Minutes	Tin SN#: 1371 PSI	SN#: 137877 Temp - C	SN#: 137877 DTW (ft btoc)	TOC Elev	Corrected DTW	Corrected GW Elev
						5430.000 GW Elevation		
8/13/09	7:24:46	4.75	15.762	10.917	270.400	5159.600	270.411	5159.589
8/13/09	7:25:01	5	15.383	10.913	271.275	5158.725	271.286	5158.714
8/13/09	7:25:16	5.25	15.149	10.910	271.815	5158.185	271.826	5158.174
8/13/09	7:25:31	5.5	14.853	10.906	272.498	5157.502	272.509	5157.491
8/13/09	7:25:46	5.75	14.529	10.905	273.247	5156.753	273.258	5156.742
8/13/09	7:26:01	6	14.299	10.898	273.777	5156.223	273.788	5156.212
8/13/09	7:26:16	6.25	14.011	10.894	274.442	5155.558	274.453	5155.547
8/13/09	7:26:31	6.5	13.719	10.892	275.117	5154.883	275.128	5154.872
8/13/09	7:26:46	6.75	13.451	10.893	275.736	5154.264	275.747	5154.253
8/13/09	7:27:01	7	13.247	10.886	276.208	5153.792	276.219	5153.781
8/13/09	7:27:16	7.25	12.913	10.885	276.977	5153.023	276.988	5153.012
8/13/09	7:27:31	7.5	12.711	10.880	277.446	5152.554	277.457	5152.543
8/13/09	7:27:46	7.75	12.426	10.884	278.102	5151.898	278.113	5151.887
8/13/09	7:28:01	8	12.228	10.882	278.560	5151.440	278.571	5151.429
8/13/09	7:28:16	8.252	11.965	10.877	279.168	5150.832	279.179	5150.821
8/13/09	7:28:31	8.5	11.642	10.882	279.912	5150.088	279.923	5150.077
8/13/09	7:28:46	8.75	11.378	10.875	280.522	5149.478	280.533	5149.467
8/13/09	7:29:01	9	11.296	10.876	280.711	5149.289	280.722	5149.278
8/13/09	7:29:16	9.25	11.046	10.872	281.288	5148.712	281.299	5148.701
8/13/09	7:29:31	9.5	10.770	10.872	281.926	5148.074	281.937	5148.063
8/13/09	7:29:46	9.75	10.474	10.872	282.610	5147.390	282.621	5147.379
8/13/09	7:30:01	10	10.255	10.868	283.116	5146.884	283.127	5146.873
8/13/09	7:30:16	10.25	10.128	10.869	283.409	5146.591	283.420	5146.580
8/13/09	7:30:31	10.5	9.740	10.867	284.305	5145.695	284.316	5145.684
8/13/09	7:30:46	10.75	9.499	10.869	284.860	5145.140	284.871	5145.129
8/13/09	7:31:01	11.003	9.376	10.867	285.146	5144.854	285.157	5144.843
8/13/09	7:31:16	11.25	9.022	10.868	285.963	5144.037	285.974	5144.026
8/13/09	7:31:31	11.5	9.060	10.869	285.874	5144.126	285.885	5144.115
8/13/09	7:31:46	11.75	8.713	10.868	286.676	5143.324	286.687	5143.313
8/13/09	7:32:01	12	8.473	10.871	287.231	5142.769	287.242	5142.758
8/13/09	7:32:16	12.251	8.169	10.869	287.932	5142.068	287.943	5142.057
8/13/09	7:32:31	12.501	8.160	10.868	287.954	5142.046	287.965	5142.035
8/13/09	7:32:46	12.751	8.060	10.869	288.185	5141.815	288.196	5141.804
8/13/09	7:33:01	13.001	7.564	10.867	289.330	5140.670	289.341	5140.659
8/13/09	7:33:16	13.252	7.439	10.869	289.619	5140.381	289.630	5140.370
8/13/09	7:33:31	13.502	7.259	10.869	290.034	5139.966	290.045	5139.955
8/13/09	7:33:46	13.75	7.235	10.873	290.089	5139.911	290.100	5139.900
8/13/09	7:34:01	14	7.101	10.869	290.399	5139.601	290.410	5139.590
8/13/09	7:34:16	14.252	6.611	10.873	291.529	5138.471	291.540	5138.460
8/13/09	7:34:31	14.502	6.671	10.873	291.392	5138.608	291.403	5138.597
8/13/09	7:34:46	14.753	6.539	10.875	291.696	5138.304	291.707	5138.293
8/13/09	7:35:01	15.002	6.232	10.878	292.404	5137.596	292.415	5137.585
8/13/09	7:35:16	15.252	6.078	10.882	292.761	5137.239	292.772	5137.228
8/13/09	7:35:31	15.502	5.850	10.883	293.286	5136.714	293.297	5136.703
8/13/09	7:35:46	15.752	5.704	10.884	293.623	5136.377	293.634	5136.366
8/13/09	7:36:01	16.002	5.371	10.888	294.391	5135.609	294.402	5135.598
8/13/09	7:36:16	16.25	5.424	10.894	294.271	5135.729	294.282	5135.718
8/13/09	7:36:31	16.5	5.231	10.894	294.716	5135.284	294.727	5135.273
8/13/09	7:36:46	16.75	4.913	10.897	295.450	5134.550	295.461	5134.539
8/13/09	7:37:01	17	4.856	10.898	295.581	5134.419	295.592	5134.408
8/13/09	7:37:16	17.25	4.560	10.902	296.266	5133.734	296.277	5133.723
8/13/09	7:37:31	17.5	4.319	10.902	296.821	5133.179	296.832	5133.168

Appendix B-5. UMW-11 Water Level Data, Moore Ranch Supplemental Pump Testing

Date	Time	Elapsed Tin Minutes	SN#: 1377 PSI	SN#: 137877 Temp - C	SN#: 137877 DTW (ft btoc)	TOC Elev	Corrected DTW	Corrected GW Elev
						5430.000 GW Elevation		
8/13/09	7:37:46	17.75	4.431	10.910	296.563	5133.437	296.574	5133.426
8/13/09	7:38:01	18	4.172	10.912	297.161	5132.839	297.172	5132.828
8/13/09	7:38:16	18.251	3.864	10.917	297.872	5132.128	297.883	5132.117
8/13/09	7:38:31	18.5	3.880	10.916	297.836	5132.164	297.847	5132.153
8/13/09	7:38:46	18.751	3.508	10.923	298.693	5131.307	298.704	5131.296
8/13/09	7:39:01	19.001	3.566	10.924	298.561	5131.439	298.572	5131.428
8/13/09	7:39:16	19.253	3.299	10.924	299.178	5130.822	299.189	5130.811
8/13/09	7:39:31	19.5	3.166	10.928	299.483	5130.517	299.494	5130.506
8/13/09	7:39:46	19.75	3.123	10.935	299.583	5130.417	299.594	5130.406
8/13/09	7:40:01	20.001	2.749	10.935	300.446	5129.554	300.457	5129.543
8/13/09	7:40:16	20.25	2.667	10.938	300.637	5129.363	300.648	5129.352
8/13/09	7:40:31	20.5	2.673	10.947	300.621	5129.379	300.632	5129.368
8/13/09	7:40:46	20.75	2.363	10.949	301.339	5128.661	301.350	5128.650
8/13/09	7:41:01	21	2.354	10.954	301.358	5128.642	301.369	5128.631
8/13/09	7:41:16	21.25	2.058	10.959	302.042	5127.958	302.053	5127.947
8/13/09	7:41:31	21.5	1.994	10.966	302.191	5127.809	302.202	5127.798
8/13/09	7:41:46	21.75	1.827	10.971	302.575	5127.425	302.586	5127.414
8/13/09	7:42:01	22.003	1.725	10.975	302.811	5127.189	302.822	5127.178
8/13/09	7:42:16	22.25	1.642	10.989	303.003	5126.997	303.014	5126.986
8/13/09	7:42:31	22.501	1.375	10.999	303.619	5126.381	303.630	5126.370
8/13/09	7:42:46	22.751	1.308	11.009	303.774	5126.226	303.785	5126.215
8/13/09	7:43:01	23.001	1.228	11.023	303.960	5126.040	303.971	5126.029
8/13/09	7:43:16	23.251	1.038	11.033	304.397	5125.603	304.408	5125.592
8/13/09	7:43:31	23.5	0.853	11.047	304.823	5125.177	304.834	5125.166
8/13/09	7:43:46	23.751	0.766	11.063	305.025	5124.975	305.036	5124.964
8/13/09	7:44:01	24.001	0.611	11.081	305.383	5124.617	305.394	5124.606
8/13/09	7:45:00	7:45:00	306.440				306.440	5123.560
8/13/09	7:46:00	7:46:00	307.510				307.510	5122.490
8/13/09	7:47:00	7:47:00	308.560				308.560	5121.440
8/13/09	7:48:00	7:48:00	309.590				309.590	5120.410
8/13/09	7:49:00	7:49:00	310.540				310.540	5119.460
8/13/09	7:50:00	7:50:00	311.500				311.500	5118.500
8/13/09	7:52:00	7:52:00	313.280				313.280	5116.720
8/13/09	7:53:00	7:53:00	314.100				314.100	5115.900
8/13/09	7:54:00	7:54:00	314.920				314.920	5115.080
8/13/09	7:55:00	7:55:00	315.760				315.760	5114.240
8/13/09	7:56:00	7:56:00	316.500				316.500	5113.500
8/13/09	7:57:00	7:57:00	317.250				317.250	5112.750
8/13/09	7:58:00	7:58:00	317.940				317.940	5112.060
8/13/09	7:59:00	7:59:00	318.620				318.620	5111.380
8/13/09	8:00:00	8:00:00	319.240				319.240	5110.760
8/13/09	8:01:00	8:01:00	319.890				319.890	5110.110
8/13/09	8:02:00	8:02:00	320.490				320.490	5109.510
8/13/09	8:03:00	8:03:00	321.020				321.020	5108.980
8/13/09	8:04:00	8:04:00	321.600				321.600	5108.400
8/13/09	8:05:00	8:05:00	322.150				322.150	5107.850
8/13/09	8:06:00	8:06:00	322.670				322.670	5107.330
8/13/09	8:07:00	8:07:00	323.170				323.170	5106.830
8/13/09	8:08:00	8:08:00	323.650				323.650	5106.350
8/13/09	8:09:00	8:09:00	324.100				324.100	5105.900
8/13/09	8:10:00	8:10:00	324.570				324.570	5105.430
8/13/09	8:11:00	8:11:00	324.960				324.960	5105.040

Appendix B-5. UMW-11 Water Level Data, Moore Ranch Supplemental Pump Testing

Date	Time	Elapsed Minutes	Tin SN#: PSI	SN#: 137877 Temp - C	SN#: 137877 DTW (ft btoc)	TOC Elev	Corrected	Corrected
						5430.000 GW Elevation	DTW	GW Elev
8/13/09	8:12:00	8:12:00	325.390				325.390	5104.610
8/13/09	8:15:00	8:15:00	326.800				326.800	5103.200
8/13/09	8:18:00	8:18:00	327.810				327.810	5102.190
8/13/09	8:22:00	8:22:00	329.000				329.000	5101.000
8/13/09	8:25:00	8:25:00	329.740				329.740	5100.260
8/13/09	8:28:00	8:28:00	330.480				330.480	5099.520
8/13/09	8:31:00	8:31:00	331.190				331.190	5098.810
8/13/09	8:34:00	8:34:00	331.370				331.370	5098.630
8/13/09	8:37:00	8:37:00	331.460				331.460	5098.540
8/13/09	8:42:00	8:42:00	331.580				331.580	5098.420
8/13/09	8:47:00	8:47:00	331.730				331.730	5098.270
8/13/09	8:52:00	8:52:00	331.910				331.910	5098.090
8/13/09	8:57:00	8:57:00	331.880				331.880	5098.120
8/13/09	9:02:00	9:02:00	331.850				331.850	5098.150
8/13/09	9:07:00	9:07:00	331.890				331.890	5098.110
8/13/09	9:12:00	9:12:00	332.140				332.140	5097.860
8/13/09	9:19:00	9:19:00	332.460				332.460	5097.540
8/13/09	9:24:00	9:24:00	332.700				332.700	5097.300
8/13/09	9:31:00	9:31:00	332.640				332.640	5097.360
8/13/09	9:36:00	9:36:00	332.780				332.780	5097.220
8/13/09	9:44:00	9:44:00	331.300				331.300	5098.700
8/13/09	9:44:15	9:44:15	328.500				328.500	5101.500
8/13/09	9:44:30	9:44:30	324.680				324.680	5105.320
8/13/09	9:44:45	9:44:45	322.440				322.440	5107.560
8/13/09	9:45:00	9:45:00	320.240				320.240	5109.760
8/13/09	9:45:15	9:45:15	318.330				318.330	5111.670
8/13/09	9:45:30	9:45:30	316.730				316.730	5113.270
8/13/09	9:45:45	9:45:45	315.390				315.390	5114.610
8/13/09	9:46:00	9:46:00	314.550				314.550	5115.450
8/13/09	9:46:15	9:46:15	313.990				313.990	5116.010
8/13/09	9:46:30	9:46:30	313.800				313.800	5116.200
8/13/09	9:46:45	9:46:45	313.120				313.120	5116.880
8/13/09	9:47:00	9:47:00	312.790				312.790	5117.210
8/13/09	9:47:30	9:47:30	311.910				311.910	5118.090
8/13/09	9:48:00	9:48:00	311.170				311.170	5118.830
8/13/09	9:48:30	9:48:30	310.420				310.420	5119.580
8/13/09	9:49:00	9:49:00	309.640				309.640	5120.360
8/13/09	9:49:30	9:49:30	308.920				308.920	5121.080
8/13/09	9:50:00	9:50:00	308.170				308.170	5121.830
8/13/09	9:50:30	9:50:30	307.480				307.480	5122.520
8/13/09	9:51:00	9:51:00	306.790				306.790	5123.210
8/13/09	9:52:00	9:52:00	305.400				305.400	5124.600
8/13/09	9:53:00	9:53:00	304.110				304.110	5125.890
8/13/09	9:52:01	152	0.556	11.971	305.509	5124.491	305.520	5124.480
8/13/09	9:52:16	152.25	0.701	12.010	305.175	5124.825	305.186	5124.814
8/13/09	9:52:31	152.5	0.843	12.054	304.847	5125.153	304.858	5125.142
8/13/09	9:52:46	152.75	0.984	12.093	304.522	5125.478	304.533	5125.467
8/13/09	9:53:01	153	1.126	12.122	304.195	5125.805	304.206	5125.794
8/13/09	9:53:16	153.25	1.269	12.156	303.865	5126.135	303.876	5126.124
8/13/09	9:53:31	153.5	1.399	12.183	303.564	5126.436	303.575	5126.425
8/13/09	9:53:46	153.75	1.535	12.208	303.249	5126.751	303.260	5126.740
8/13/09	9:54:01	154	1.673	12.234	302.932	5127.068	302.943	5127.057