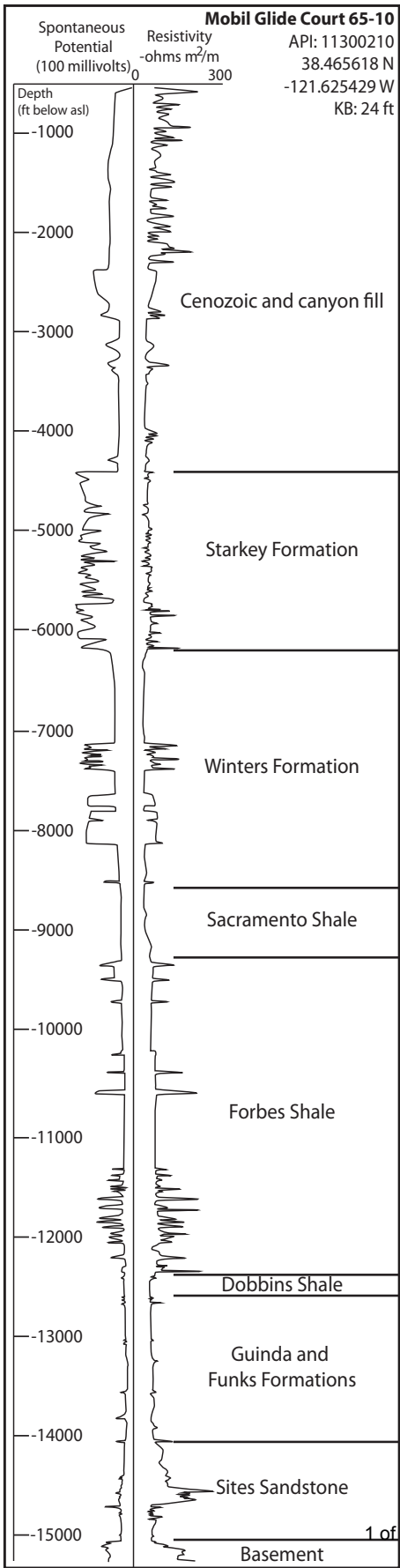
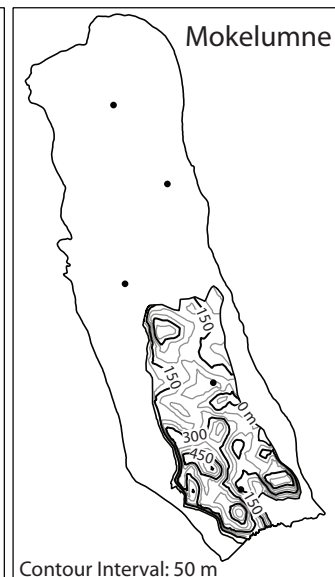
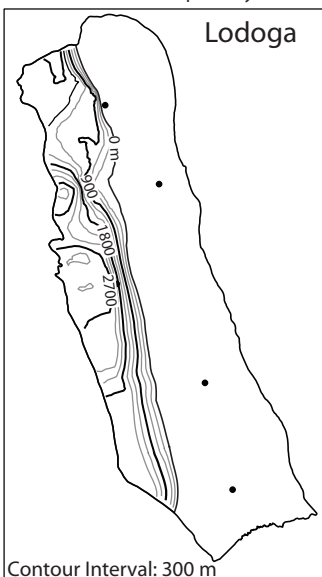
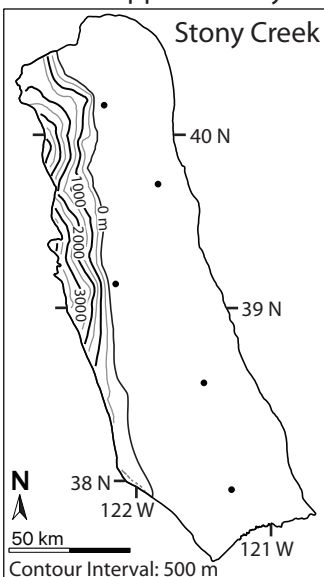






Supplementary
Material III

Sacramento Basin

- Borehole
- Outcrop
- Fault
- Cenozoic paleocanyon



1. Basement				
Well Number	Latitude	Longitude	Depth	API
1	40.3186	-122.6525	-29281	Dry Creek Outcrop
2	39.6768	-122.5076	-27782	Grindstone Creek Outcrop
3	38.9115	-122.3051	-29281	Cache Creek Outcrop
4	38.5032	-122.0923	-29068	Putah Creek Outcrop
5	39.0375	-122.4180	-38408	Wilbur Springs Outcrop
6	39.1209	-122.3273	-32447	Salt Canyon Outcrop
7	40.0090	-122.5597	-22598	South Fork Elder Creek
8	39.6800	-121.8826	-6990	700006
9	39.4140	-121.8210	-5686	700049
10	39.3240	-121.8860	-6627	700058
11	39.3140	-121.8750	-7818	700060
12	39.3140	-121.7460	-5328	700093
13	39.3180	-121.7170	-4793	700095
14	39.4110	-121.7270	-4491	700106
15	39.3990	-121.7280	-4577	700110
16	39.4690	-121.6900	-3376	700117
17	39.5506	-121.8977	-7858	700127
18	39.5550	-121.7460	-4219	700133
19	39.6180	-121.6330	-541	700136
20	39.8580	-121.9520	-6739	700148
21	39.5630	-121.7770	-4596	720061
22	39.5420	-121.7980	-4501	720062
23	39.2042	-121.9340	-10000	1100080
24	39.2710	-121.9770	-8517	1100281
25	39.2640	-121.9580	-10059	1100298
26	39.4550	-121.9540	-8881	2100015
27	39.5120	-122.0410	-10702	2100208
28	39.5111	-122.0408	-10750	2100210
29	39.5949	-122.1959	-12430	2100290
30	39.7129	-122.3167	-12913	2100334
31	39.5120	-121.9460	-7792	2120112
32	38.8010	-121.4280	-3297	6100001
33	38.9107	-121.4053	-1624	6100002
34	38.4546	-121.4561	-9380	6700032
35	38.4430	-121.4561	-8285	6700035
36	38.2574	-121.4896	-12600	6700277
37	38.3430	-121.1660	-2920	6700293
38	38.4080	-121.2020	-2612	6700304
39	38.3680	-121.1444	-2726	6700305
40	38.3550	-121.1600	-2546	6700306

41	38.3290	-121.2450	-4331	6700308
42	38.4305	-121.4030	-6435	6700311
43	38.4660	-121.3740	-5105	6700313
44	38.4290	-121.5260	-11614	6700314
45	38.4532	-121.4395	-7655	6700315
46	38.4380	-121.4500	-8537	6700316
47	38.4203	-121.4671	-8670	6700319
48	38.4140	-121.2030	-2477	6700323
49	38.4920	-121.2590	-2877	6700324
50	38.4517	-121.3537	-4807	6700325
51	38.4520	-121.3560	-4807	6700325
52	38.4280	-121.1000	-928	6700326
53	38.4190	-121.1280	-1266	6700327
54	38.7050	-121.3030	-1549	6700335
55	38.6290	-121.2630	-1673	6700337
56	38.2220	-121.3220	-7244	6720103
57	38.3610	-121.3670	-6617	6720103
58	38.7327	-121.5349	-7800	6720117
59	38.5170	-121.1270	-279	6720155
60	38.2215	-121.2697	-5704	7700020
61	38.2210	-121.2700	-5728	7700020
62	38.2145	-121.2510	-4801	7700022
63	38.2150	-121.2520	-4731	7700027
64	38.2200	-121.2390	-4564	7700071
65	37.9645	-121.0968	-8465	7700453
66	37.9546	-121.1162	-10607	7700454
67	37.9720	-121.0220	-6240	7700459
68	38.0590	-121.1500	-5289	7700481
69	38.0410	-121.1500	-5377	7700482
70	38.0530	-121.0557	-4200	7700485
71	38.0080	-121.1490	-6913	7700487
72	37.9800	-121.0550	-4964	7700489
73	38.1080	-121.2130	-5981	7700520
74	38.1320	-121.0330	-2677	7700521
75	38.1160	-120.9760	-2195	7700522
76	38.1221	-121.0789	-3599	7700523
77	38.1490	-121.3510	-9203	7700548
78	38.2150	-121.1860	-4236	7700549
79	38.1710	-121.1560	-4009	7700552
80	38.1650	-121.1590	-4170	7700553
81	38.1730	-121.1290	-3789	7700556
82	38.2360	-121.1140	-2858	7700558

83	37.9294	-121.4954	-16240	7720145
84	37.9750	-121.1630	-8196	7720156
85	37.8870	-121.1086	-9614	7720314
86	38.0500	-121.0750	-4203	7720409
87	37.9597	-121.2784	-10960	7720411
88	37.7430	-121.2600	-15932	7720471
89	37.7878	-120.8540	-4541	9900007
90	37.6250	-121.0740	-13593	9900026
91	37.7297	-120.8705	-6290	9920013
92	39.1970	-121.8340	-6289	10100107
93	39.1710	-121.8140	-7549	10100148
94	39.1310	-121.7780	-6726	10100174
95	39.1310	-121.7850	-6969	10100179
96	39.0940	-121.7530	-6903	10100189
97	39.1050	-121.6800	-4885	10100222
98	38.9200	-121.6670	-7595	10100235
99	38.8470	-121.6850	-8904	10100237
100	38.9180	-121.4850	-3396	10100239
101	38.8710	-121.5280	-5187	10100240
102	38.8740	-121.4860	-4091	10100241
103	38.8590	-121.5500	-5968	10100242
104	38.9570	-121.7027	-7250	10100247
105	38.9720	-121.6030	-5384	10100248
106	38.9490	-121.6110	-5551	10100250
107	38.9380	-121.6080	-5597	10100251
108	39.0870	-121.7210	-6201	10100255
109	39.0580	-121.7310	-6736	10100258
110	39.0300	-121.7500	-7730	10100260
111	39.0240	-121.7870	-7575	10100262
112	39.0879	-121.6105	-3700	10100265
113	39.0950	-121.6530	-4196	10100266
114	39.0600	-121.6680	-4967	10100267
115	39.1020	-121.8040	-8058	10100273
116	39.1450	-121.7014	-5000	10100277
117	39.2430	-121.8420	-6969	10100283
118	39.2510	-121.7980	-6286	10100284
119	39.2350	-121.6980	-4852	10100291
120	39.2670	-121.5740	-1434	10100300
121	39.2780	-121.8840	-8392	10100308
122	39.2783	-121.8325	-7050	10100310
123	39.3000	-121.7260	-5213	10100312
124	38.9140	-121.6910	-7346	10120048

125	38.9842	-121.7779	-7862	10120105
126	39.1040	-121.7000	-5436	10120172
127	38.8310	-121.6670	-8740	10120185
128	39.1700	-121.7020	-4865	10120189
129	39.1910	-121.6680	-4104	10120216
130	39.2320	-121.6780	-4111	10120270
131	39.9558	-122.1546	-9487	10300026
132	40.2880	-122.2250	-3176	10300176
133	40.3560	-122.1450	-7719	10300185
134	40.3750	-122.1200	-5942	10300186
135	40.3266	-122.2682	-4820	10300187
136	40.2230	-122.3380	-19127	10320109
137	39.9627	-122.3971	-12349	10320126
138	38.4657	-121.6244	-15100	11300210
139	39.6800	-121.8820	-6854	11300274
140	38.7323	-121.6435	-9676	11300284
141	38.7709	-121.8785	-15060	11320125
142	39.0090	-121.5190	-2933	11500001
143	38.9966	-121.5610	-3410	11500002
144	39.0637	-121.4638	-1645	11500005
145	39.0110	-121.5020	-2618	11520003
146	39.0637	-121.4638	-3196	11520005
147	39.1012	-121.5759	-3054	11520007
148	39.6282	-122.0111	-9066	12100301

2. Stony Creek				
Well Number	Latitude	Longitude	Depth	API
1	40.3186	-122.6525	-24130	Dry Creek Outcrop
2	39.6768	-122.5076	-23953	Grindstone Outcrop
3	38.9115	-122.3051	-24131	Cache Creek Outcrop
4	38.5032	-122.0923	-27756	Putah Creek Outcrop
5	39.0375	-122.4180	-27211	Wilbur Springs Outcrop
6	39.1209	-122.3273	-24048	Salt Canyon Outcrop
7	40.2230	-122.3380	-15741	10320109
8	39.7130	-122.3151	-12526	2100334
9	39.9627	-122.3971	-10400	10320126

3. Lodoga Formation				
Well Name	Latitude	Longitude	Depth	API
1	40.3186	-122.6525	-15600	Dry Creek Outcrop
2	39.6768	-122.5076	-12753	Grindstone Outcrop
3	38.9115	-122.3051	-15600	Cache Creek Outcrop

4	38.5032	-122.0923	-22014	Putah Creek Outcrop
5	39.0375	-122.4180	-17309	Wilbur Springs Outcrop
6	39.1209	-122.3273	-14146	Salt Canyon Outcrop
7	40.2230	-122.3380	-12451	10320109
8	39.7130	-122.3151	-12150	2100334
9	39.9627	-122.3971	-7750	10320126
10	38.8948	-122.1852	-16059	11300173

4. Venado Formation				
Well Number	Latitude	Longitude	Depth	API
0	40.3186	-122.6525	-7791	Dry Creek Outcrop
1	39.6767	-122.5087	-4104	Grindstone Outcrop
2	38.9114	-122.3062	-7792	Cache Creek Outcrop
3	38.5031	-122.0934	-15436	Putah Creek Outcrop
4	39.0375	-122.4180	-8910	Wilbur Springs Outcrop
5	39.1209	-122.3273	-5748	Salt Canyon Outcrop
6	39.0084	-122.0826	-11040	1100027
7	38.9992	-122.2150	-5692	1100216
8	39.2638	-121.9575	-9632	1100298
9	39.5411	-122.0776	-9188	2100177
10	39.5111	-122.0408	-9495	2100210
11	39.5949	-122.1959	-11584	2100290
12	39.6282	-122.0111	-8650	2100301
13	39.7130	-122.3151	-5738	2100334
14	39.7105	-122.1629	-8248	2120178
15	39.9558	-122.1546	-8987	10300026
16	40.1779	-122.3074	-7332	10300167
17	40.3559	-122.1444	-6204	10300185
18	38.8948	-122.1852	-11584	11300173
19	38.4657	-121.6244	-14500	11300210
20	39.4490	-122.2423	-8540	2120632

5. Yolo				
Well Number	Latitude	Longitude	Depth	API
1	39.0084	-122.0826	-10080	1100027
2	38.9992	-122.2150	-4792	1100216
3	39.2638	-121.9575	-9432	1100298
4	39.5411	-122.0776	-8988	2100177
5	39.5111	-122.0408	-9395	2100210
6	39.5949	-122.1959	-10011	2100290
7	39.6282	-122.0111	-8166	2100301
8	39.7130	-122.3151	-3198	2100334

9	39.7105	-122.1629	-8098	2120178
10	39.9558	-122.1546	-8437	10300026
11	40.1779	-122.3074	-6832	10300167
12	40.3559	-122.1444	-4304	10300185
13	38.8948	-122.1852	-5618	11300173
14	40.3186	-122.6525	-6692	Dry Creek Outcrop
15	38.9115	-122.3051	-6693	Cache Creek Outcrop
16	38.5032	-122.0923	-14583	Putah Creek Outcrop
17	39.1209	-122.3273	-4875	Salt Canyon Outcrop

6. Sites Formation				
Well Number	Latitude	Longitude	Depth	API
1	39.0084	-122.0826	-9209	1100027
2	38.9992	-122.2150	-2942	1100216
3	39.2637	-121.9585	-8113	1100298
4	39.5411	-122.0776	-7688	2100177
5	39.5111	-122.0408	-8070	2100210
6	39.5949	-122.1959	-8167	2100290
7	39.6282	-122.0111	-6966	2100301
8	39.7105	-122.1629	-6638	2120178
9	39.9558	-122.1546	-6700	10300026
10	39.8740	-122.1275	-7063	10300085
11	40.1779	-122.3074	-4832	10300167
12	40.3559	-122.1444	-1704	10300185
13	40.2252	-122.3371	-4078	10320109
14	38.8948	-122.1852	-4100	11300173
15	38.4657	-121.6244	-14500	11300210
16	39.7130	-122.3151	-1420	2100334
17	40.3186	-122.6525	-4199	Dry Creek Outcrop
18	38.9115	-122.3051	-4199	Cache Creek Outcrop
19	38.5032	-122.0923	-10679	Putah Creek Outcrop
20	39.0375	-122.4180	-6161	Wilbur Springs Outcrop
21	39.1209	-122.3273	-2998	Salt Canyon Outcrop

7. Guinda Formation				
Well Number	Latitude	Longitude	Depth	API
1	39.5506	-121.8977	-6745	700127
2	39.8587	-121.9508	-5194	700148
3	37.7428	-121.2602	-11000	772047
4	38.2536	-121.4469	-10077	772050
5	39.0084	-122.0826	-8205	1100027
6	39.0674	-121.8796	-9342	1100129

7	39.0536	-121.9508	-9996	1100154
8	38.9992	-122.2150	-1200	1100216
9	39.2638	-121.9575	-7432	1100298
10	39.0384	-122.0184	-9532	1120038
11	39.3028	-122.1245	-7154	1120121
12	39.0421	-121.8928	-9745	1120142
13	38.8499	-122.0189	-8666	1320297
14	37.9737	-121.6068	-14000	1320347
15	39.4150	-122.0361	-7016	2100029
16	39.6697	-122.0321	-5949	2100051
17	39.5411	-122.0776	-6588	2100177
18	39.5111	-122.0408	-6745	2100210
19	39.5949	-122.1959	-7137	2100290
20	39.6282	-122.0111	-5966	2100301
21	39.7130	-122.3151	-219	2100334
22	39.4490	-122.2423	-8053	2120163
23	39.7105	-122.1629	-5888	2120178
24	39.6957	-122.0118	-5882	2120186
25	39.5763	-122.1839	-6560	2120253
26	39.4772	-121.8873	-5569	2120266
27	39.7553	-122.2780	-4285	2120531
28	39.6803	-122.0746	-6118	2120553
29	39.4793	-121.9734	-6088	2120614
30	0.0000	0.0000	-5604	2120671
31	39.6988	-122.1033	-7023	2120727
32	38.2519	-121.4222	-9373	6700383
33	38.2542	-121.5894	-12000	6720342
34	38.2104	-121.2150	-4418	7700065
35	38.2217	-121.3220	-6512	7700542
36	38.1488	-121.3515	-9500	7700548
37	38.1710	-121.1556	-4000	7700552
38	37.9294	-121.4954	-14500	7720145
39	37.8166	-121.4970	-12500	7720167
40	38.1014	-121.5125	-13000	7720217
42	38.2230	-121.3697	-8200	7720455
43	37.9130	-121.3788	-12500	7720468
44	38.1863	-121.6793	-13500	9500230
45	38.1989	-121.6599	-13500	9500289
48	38.3004	-121.7265	-13000	9520911
49	38.2415	-121.8321	-13764	9521102
50	39.1179	-121.8407	-7800	10100035
51	39.0966	-121.8781	-8845	10100069

52	39.1713	-121.8135	-6523	10100108
53	39.1331	-121.7712	-6242	10100175
54	38.9569	-121.7027	-7088	10100247
55	39.0243	-121.7859	-7357	10100262
56	39.0950	-121.6521	-4081	10100266
57	39.2516	-121.7981	-5224	10100284
58	39.1038	-121.7000	-5155	10120172
59	38.8310	-121.6673	-8450	10120185
60	39.0288	-121.7533	-6936	10120322
61	39.1202	-121.7209	-5344	10120342
62	39.1202	-121.7209	-5293	10120342
63	39.0360	-121.6853	-5378	10120347
64	39.0795	-121.7047	-5321	10120349
65	39.0039	-121.6755	-5949	10120360
66	39.0197	-121.7669	-7069	10120361
67	38.9048	-121.6799	-7270	10120393
68	39.0359	-121.7076	-5890	10120395
69	39.0581	-121.7117	-5759	10120396
70	39.0247	-121.7200	-6766	10120402
71	39.1057	-121.8103	-7563	10120403
72	39.1303	-121.7214	-5307	10120422
73	39.0046	-121.7366	-6904	10120435
74	38.9817	-121.8107	-7543	10120472
75	39.0763	-121.7296	-6183	10120497
76	38.8636	-121.7101	-8132	10120579
77	39.9558	-122.1546	-4837	10300026
78	39.8740	-122.1275	-5538	10300085
79	40.1779	-122.3074	-3182	10300167
80	40.3559	-122.1444	-889	10300185
81	39.9004	-121.8715	-4330	10300193
82	40.0134	-122.2654	-4837	10320142
83	39.9095	-122.2045	-5538	10320143
84	40.0624	-122.1955	-5300	10320150
85	39.8654	-122.2769	-4262	10320211
87	38.8948	-122.1852	-6019	11300173
88	38.4657	-121.6244	-12568	11300210
89	38.6350	-121.5783	-9600	11300259
90	38.9156	-122.0833	-7666	11320534
91	38.7260	-122.0809	-3546	11320561
92	38.7222	-122.0904	-2807	11320668
93	38.6157	-121.7605	-10321	11320724
94	39.1011	-121.5759	-2933	11520007

95	40.3186	-122.6525	-2198	Dry Creek Outcrop
96	38.9115	-122.3051	-2198	Cache Creek Outcrop
97	39.6768	-122.5076	-278	Grindstone Creek Outcrop
98	38.5032	-122.0923	-9482	Putah Creek Outcrop
99	39.1209	-122.3273	-1837	Salt Canyon Outcrop
100	39.0375	-122.4180	-5000	Wilbur Springs Outcrop
101	38.5755	-121.8189	-9557	11320842
102	38.3950	-121.7458	-12690	9520195
103	38.4869	-121.7841	-12211	9520347
104	38.4164	-121.7035	-12690	9521077
105	38.3671	-121.8133	-12500	9521094
106	38.2240	-121.8020	-13500	9520423
107	38.4273	-121.8041	-12042	9520442
108	38.0205	-121.4785	-13000	7720316
109	38.6992	-121.8038	-11000	11300004
110	40.0478	-122.0620	-5374	10300172
111	38.9179	-121.7900	-9824	10120234
112	37.9737	-121.6068	-14000	1320347

8. Dobbins Formation				
Well Number	Latitude	Longitude	Depth	API
1	39.6800	-121.8826	-5343	700006
2	39.6148	-121.8989	-5876	700008
3	39.5331	-121.9820	-5465	700020
4	39.5506	-121.8977	-6172	700127
5	39.6984	-121.9034	-4250	700141
6	39.8587	-121.9508	-4915	700148
7	39.0084	-122.0826	-7955	1100027
8	39.0674	-121.8796	-9092	1100129
9	39.0536	-121.9508	-9746	1100154
10	38.9721	-121.8461	-8985	1100163
11	38.9992	-122.2150	-1092	1100216
12	39.2638	-121.9575	-6247	1100298
13	39.2289	-122.1391	-8336	1100333
14	39.0384	-122.0184	-9282	1120038
15	39.3028	-122.1245	-6739	1120121
16	39.0421	-121.8928	-9445	1120142
17	39.0118	-121.8847	-8506	1120387
18	39.3825	-121.9110	-6248	1120454
19	38.7196	-122.0845	-2634	1300155
20	38.6351	-121.5773	-9119	1300259
21	38.7451	-121.6475	-9080	1300283

22	38.7511	-121.6219	-8242	1300292
23	38.9221	-121.8521	-9891	1300297
24	38.8499	-122.0189	-6820	1320297
25	38.9156	-122.0833	-7426	1320534
26	38.7260	-122.0809	-3006	1320561
27	39.4150	-122.0361	-6716	2100029
28	39.6697	-122.0321	-5574	2100051
29	39.7766	-122.0716	-5399	2100055
30	39.5411	-122.0776	-6388	2100177
31	39.5111	-122.0408	-6345	2100210
32	39.5949	-122.1959	-6668	2100290
33	39.6282	-122.0111	-5574	2100301
34	39.7130	-122.3151	-19.6	2100334
35	39.7158	-122.2385	-5404	2120167
36	39.7105	-122.1629	-5538	2120178
37	39.6957	-122.0118	-5467	2120186
38	39.6326	-122.1330	-5766	2120223
39	39.7268	-122.0097	-5537	2120227
40	39.6265	-122.0440	-6233	2120228
41	39.5481	-122.2068	-6195	2120259
42	39.6029	-122.0511	-6329	2120260
43	39.6157	-122.0596	-6318	2120265
44	39.5530	-122.1632	-6737	2120289
45	39.5947	-122.1632	-6929	2120303
46	39.6219	-122.1358	-6736	2120304
47	39.5677	-122.1396	-6971	2120306
48	39.7550	-122.1638	-5712	2120465
49	39.7553	-122.2780	-4085	2120531
50	39.6803	-122.0746	-5623	2120553
51	39.6271	-122.0333	-5956	2120584
52	39.4496	-122.0365	-6451	2120626
53	39.4490	-122.2423	-7963	2120632
54	39.5624	-122.0980	-5870	2120664
55	39.5289	-122.0854	-6300	2120666
56	39.6886	-122.1323	-5783	2120699
57	39.6108	-122.1260	-5835	2120717
58	39.4507	-121.9494	-6005	2120722
59	39.4408	-121.9508	-6010	2120723
60	39.6988	-122.1033	-6478	2120727
61	39.4515	-121.9632	-6160	2120732
62	38.8005	-121.4269	-2999	6100001
63	38.9107	-121.4052	-1406	6100002

64	38.4546	-121.4658	-7737	6700032
65	38.4430	-121.4561	-7749	6700035
66	38.3928	-121.4259	-7402	6700040
67	38.2574	-121.4896	-1014	6700277
68	38.4305	-121.4030	-6039	6700311
69	38.4639	-121.3733	-4907	6700313
70	38.4270	-121.5257	-9989	6700314
71	38.4532	-121.4395	-7067	6700315
72	38.4356	-121.4492	-7298	6700316
73	38.4203	-121.4671	-8081	6700319
74	38.4680	-121.3254	-3581	6700322
75	38.4925	-121.2387	-2692	6700324
76	38.4516	-121.3355	-4526	6700325
77	38.7183	-121.5162	-6639	6700328
78	38.6758	-121.5606	-8375	6700333
79	38.7038	-121.3017	-1262	6700335
80	38.2519	-121.4222	-9388	6700383
81	38.3424	-121.5253	-1016	6720029
82	38.3971	-121.4219	-7218	6720081
83	38.3614	-121.3664	-5878	6720103
84	38.4271	-121.4366	-7283	6720113
85	38.7327	-121.5349	-6969	6720117
86	38.3404	-121.3954	-6970	6720144
87	38.4047	-121.4289	-7285	6720149
88	38.4887	-121.3043	-3853	6720151
89	38.4191	-121.4389	-7365	6720164
90	38.4117	-121.4869	-8466	6720170
91	38.4136	-121.4561	-7777	6720179
92	38.4638	-121.4470	-8109	6720183
93	38.4013	-121.4729	-8712	6720184
94	38.4162	-121.4078	-6291	6720228
95	38.4062	-121.4603	-7985	6720254
96	38.2912	-121.4013	-8219	6720255
97	38.2215	-121.2697	-5185	7700020
98	38.2145	-121.2510	-4571	7700022
99	38.2155	-121.2695	-5332	7700025
100	37.8684	-121.3543	-1021	7700044
101	38.2104	-121.2150	-4184	7700065
102	38.2074	-121.2030	-4164	7700066
103	38.1886	-121.1855	-4117	7700067
104	38.2205	-121.2388	-4418	7700071
105	37.7256	-121.5116	-6138	7700337

106	37.6872	-121.5237	-2851	7700381
107	37.9385	-121.1519	-8693	7700444
108	37.9244	-121.2362	-10022	7700447
109	37.9615	-121.0710	-6926	7700451
110	37.9645	-121.0968	-7831	7700453
111	38.0545	-121.1513	-5167	7700481
112	38.0402	-121.1508	-5310	7700482
113	38.0530	-121.0557	-4009	7700485
114	38.0108	-121.1301	-6598	7700487
115	37.9825	-121.0366	-4855	7700489
116	38.1087	-121.2128	-5601	7700520
117	38.1221	-121.0789	-3361	7700523
118	38.2217	-121.3220	-6413	7700542
119	38.1489	-121.3505	-8711	7700548
120	38.2155	-121.1861	-3951	7700549
121	38.1655	-121.1587	-3990	7700553
122	38.1731	-121.1286	-3611	7700556
123	37.9294	-121.4954	-10472	7720145
124	38.2129	-121.2059	-4194	7720288
125	38.2085	-121.3712	-8366	7720305
126	37.8525	-121.1217	-9678	7720307
127	37.8887	-121.1086	-9062	7720314
128	37.8595	-121.1199	-9717	7720319
129	38.2467	-121.4625	-10096	7720331
130	37.8377	-121.1112	-9485	7720342
131	37.9733	-121.1023	-7398	7720347
132	38.1463	-121.1438	-3988	7720353
133	37.8239	-121.1214	-9828	7720368
134	38.0588	-121.0617	-4107	7720409
135	37.7323	-121.5518	-2200	7720430
136	38.2230	-121.3697	-8076	7720455
137	37.9130	-121.3788	-10195	7720468
138	37.7428	-121.2602	-10353	7720478
139	38.2090	-121.9593	-6100	9500201
140	38.2616	-121.9891	-4969	9500350
141	38.3204	-121.9926	-3951	9500506
142	37.6247	-121.0738	-10298	9900026
143	37.6976	-120.9525	-8803	9920001
144	37.7555	-121.5912	-1699	1010001
145	39.1179	-121.8407	-7475	1010003
146	39.0966	-121.8781	-8545	1010006
147	38.8264	-121.5473	-5478	1010009

148	38.8381	-121.5689	-5897	1010010
149	39.1713	-121.8135	-5807	1010010
150	39.1331	-121.7712	-5992	1010017
151	38.8135	-121.5904	-6850	1010022
152	38.8845	-121.5830	-6078	1010023
153	38.8473	-121.6851	-8365	1010023
154	38.9177	-121.4851	-3060	1010023
155	38.8711	-121.5281	-4773	1010024
156	38.8740	-121.4858	-3589	1010024
157	38.8586	-121.5502	-5263	1010024
158	38.9569	-121.7027	-6687	1010024
159	39.0243	-121.7859	-7007	1010026
160	39.0879	-121.6105	-3566	1010026
161	39.0950	-121.6521	-3956	1010026
162	39.2516	-121.7981	-4724	1010028
163	38.9234	-121.7293	-8023	1012005
164	38.9001	-121.7147	-8358	1012010
165	38.8315	-121.5226	-4876	1012013
166	38.8181	-121.5334	-5628	1012015
167	38.7730	-121.5357	-6021	1012016
168	39.1038	-121.7000	-4647	1012017
169	38.8311	-121.6662	-8109	1012018
170	39.0032	-121.7024	-6826	1012022
171	39.0003	-121.7634	-6957	1012022
172	38.9179	-121.7986	-9624	1012023
173	38.8978	-121.5837	-5993	1012025
174	38.8978	-121.5837	-5998	1012025
175	39.0665	-121.8244	-7638	1012026
176	39.2319	-121.6778	-3745	1012027
177	39.0519	-121.8156	-7594	1012030
178	39.0288	-121.7533	-6537	1012032
179	39.0374	-121.8034	-7567	1012033
180	39.1202	-121.7209	-5029	1012034
181	39.0360	-121.6853	-5169	1012034
182	39.0795	-121.7047	-5161	1012034
183	39.0039	-121.6755	-5576	1012036
184	39.0197	-121.7669	-6794	1012036
185	38.9963	-121.7725	-7142	1012038
186	38.9048	-121.6799	-7130	1012039
187	39.0359	-121.7076	-5783	1012039
188	39.0581	-121.7117	-5542	1012039
189	39.0247	-121.7200	-6263	1012040

190	39.1057	-121.8103	-7336	1012040
191	39.0339	-121.8030	-7507	1012040
192	39.1303	-121.7214	-4884	1012042
193	39.0046	-121.7366	-6617	1012043
194	38.9568	-121.8200	-8981	1012043
195	38.9817	-121.8107	-7408	1012047
196	39.0763	-121.7296	-5823	1012049
197	38.9524	-121.8034	-8183	1012050
198	38.8636	-121.7101	-7962	1012057
199	39.9558	-122.1546	-4517	1030002
200	39.8740	-122.1275	-4963	1030008
201	40.1779	-122.3074	-2907	1030016
202	40.0803	-122.0652	-5174	1030017
203	39.9006	-121.8704	-4130	1030019
204	40.2252	-122.3371	-2392	1032010
205	39.8557	-122.1738	-5531	1032012
206	40.0135	-122.2643	-4543	1032014
207	39.9096	-122.2034	-5370	1032014
208	40.0626	-122.1945	-5246	1032015
209	39.8641	-122.3218	-1559	1032017
210	39.8549	-122.0843	-5464	1032018
211	39.8375	-122.2807	-4020	10320206
212	39.8314	-122.0725	-5884	10320208
213	39.8654	-122.2769	-4109	10320211
214	39.8377	-122.2939	-3600	10320213
215	39.8410	-122.1857	-5044	10320294
216	38.4065	-121.5668	-10153	11300009
217	38.4180	-121.5666	-10130	11300013
218	38.4129	-121.5744	-10173	11300017
219	38.5926	-121.6051	-10096	11300079
220	38.8948	-122.1852	-5699	11300173
221	38.4761	-121.5892	-10140	11300202
222	38.4657	-121.6244	-12411	11300210
223	38.7323	-121.6435	-8476	11300284
224	38.7511	-121.6219	-8232	11300292
225	38.8768	-121.8256	-8600	11300301
226	38.7709	-121.8785	-6044	11320125
227	38.6362	-121.8872	-6324	11320173
228	38.7281	-121.7155	-10071	11320446
229	38.9156	-122.0833	-7426	11320534
230	38.7222	-122.0904	-2572	11320668
231	39.1011	-121.5759	-2793	11520007

232	40.3186	-122.6525	-1804	Dry Creek Outcrop
233	39.6768	-122.5076	-16	Grindstone Creek Outcrop
234	38.9115	-122.3051	-1804	Cache Creek Outcrop
235	38.5032	-122.0923	-8990	Putah Creek Outcrop
236	39.0375	-122.4180	-4700	Wilbur Springs Outcrop
237	39.1209	-122.3273	-1607	Salt Canyon Outcrop
239	38.2798	-121.8478	-13564	9521102
242	38.0610	-121.6370	-10826	1320303
243	38.5755	-121.8189	-7235	11320842
244	38.4869	-121.7841	-9889	9520347
245	38.3004	-121.7265	-11114	9520911
246	38.3671	-121.8133	-11400	9521094
247	38.4164	-121.7035	-11590	9521077
248	38.3950	-121.7458	-11590	9520195
249	38.1014	-121.5125	-10826	7720217
250	38.1989	-121.6599	-13300	9500289
251	38.2240	-121.8020	-13300	9520423
252	37.9737	-121.6068	-12039	1320347
253	38.4229	-121.8041	-10942	9520442
254	38.2009	-121.5386	-11653	6720321
255	38.0205	-121.4785	-11000	7720316
256	38.6992	-121.8038	-10100	11300004
257	38.2542	-121.5894	-10708	6720342

9. Forbes Formation				
Well Number	Latitude	Longitude	Depth	API
1	39.8641	-122.3218	-380	320177
2	39.6800	-121.8826	-3855	700006
3	39.6148	-121.8989	-4226	700008
4	39.7692	-121.9847	-4100	700073
5	39.5506	-121.8977	-4793	700127
6	39.6984	-121.9034	-3210	700141
7	39.8587	-121.9508	-3244	700148
8	39.4395	-121.7835	-2962	720045
9	39.5564	-121.7895	-3913	720053
10	39.5405	-121.8043	-3912	720056
11	39.6358	-121.9743	-4475	720057
12	39.3965	-121.7422	-3774	720059
13	39.5632	-121.7772	-3034	720061
14	39.5412	-121.7985	-3838	720062
15	39.3350	-121.8971	-3711	720072
16	39.6959	-121.9347	-3868	720073

17	39.0084	-122.0826	-1809	1100027
18	39.3336	-122.0169	-3220	1100089
19	39.0674	-121.8796	-4592	1100129
20	39.0536	-121.9508	-4696	1100154
21	39.3824	-122.0314	-3296	1100187
22	38.9992	-122.2150	-4401	1100216
23	39.2638	-121.9575	-2932	1100298
24	39.0384	-122.0184	-3532	1120038
25	39.3028	-122.1245	-3174	1120121
26	39.0421	-121.8928	-4845	1120142
27	39.0266	-121.9116	-5252	1120144
28	39.3664	-121.9210	-3465	1120169
29	39.0249	-121.9506	-4754	1120176
30	39.4020	-122.0177	-3126	1120188
31	39.1704	-121.7021	-4085	1120189
32	39.2930	-121.9878	-3760	1120191
33	39.2868	-122.0545	-3402	1120197
34	39.3122	-122.0833	-2579	1120199
35	39.0192	-121.9218	-4783	1120210
36	39.3036	-122.1459	-2873	1120215
37	39.2314	-121.9655	-2948	1120235
38	39.3625	-121.9648	-3647	1120247
39	39.2989	-122.1434	-2975	1120253
40	39.1006	-122.0738	-2877	1120284
41	39.3407	-122.1258	-3362	1120286
42	38.9879	-122.0064	-3641	1120287
43	39.0459	-122.0094	-3796	1120306
44	39.1450	-121.9875	-4525	1120339
45	38.9621	-122.0137	-3197	1120360
46	39.0118	-121.8847	-5169	1120387
47	39.2081	-122.0332	-3780	1120396
48	39.1019	-122.0649	-2888	1120429
49	39.1778	-122.0184	-4060	1120436
50	39.0070	-121.8372	-4692	1120447
51	39.0203	-122.0222	-3657	1120449
52	39.3825	-121.9110	-3727	1120454
53	39.4028	-122.0525	-3491	1120469
54	39.0592	-122.0152	-3753	1120472
55	39.1384	-122.0496	-3446	1120479
56	39.1376	-122.0144	-4247	1120481
57	39.2440	-121.9615	-2653	1120506
58	38.9665	-121.9870	-4040	1120509

59	39.1732	-122.1194	-2208	1120510
60	39.1515	-122.0138	-4118	1120511
61	39.3080	-121.9550	-3605	1120524
62	39.1365	-121.9755	-4410	1120526
63	38.9633	-121.8656	-5141	1120531
64	39.0897	-122.0318	-3456	1120538
65	39.2600	-121.9653	-2537	1120539
66	39.0897	-122.0185	-3777	1120544
67	39.0910	-122.0630	-2630	1120551
68	39.3604	-121.9484	-3760	1120562
69	39.3927	-122.0190	-2689	1120565
70	39.1450	-122.0105	-4107	1120566
71	38.9356	-121.9111	-5559	1120568
72	39.0238	-121.8514	-4876	1120573
73	39.0387	-121.8538	-4650	1120579
74	38.9615	-121.8793	-5213	1120585
75	38.9998	-121.8405	-4703	1120586
76	38.9900	-121.8614	-4830	1120592
77	39.0125	-121.9361	-4934	1120594
78	38.9872	-121.8745	-4101	1120596
79	39.0074	-121.8631	-4797	1120597
80	38.9505	-121.8462	-5144	1120598
81	38.9841	-121.8548	-4925	1120599
82	39.2596	-121.9743	-2920	1120601
83	39.2468	-121.9623	-2910	1120602
84	39.0728	-122.0130	-3648	1120608
85	39.0749	-121.9909	-4144	1120609
86	39.0303	-122.0480	-2965	1120610
87	39.0666	-122.0657	-2888	1120611
88	39.0948	-121.9951	-4115	1120612
89	39.0150	-121.9242	-4859	1120618
90	39.1648	-121.9680	-4290	1120620
91	39.2946	-121.9670	-3728	1120622
92	39.1673	-121.9992	-4244	1120624
93	38.9515	-121.9051	-4961	1120626
94	38.9927	-122.0604	-2502	1120630
95	38.9591	-121.8962	-5190	1120631
96	39.1157	-122.0810	-2881	1120632
97	39.1546	-122.1178	-2565	1120633
98	39.0618	-122.0651	-2798	1120635
99	39.1607	-122.0811	-2974	1120636
100	39.1052	-121.9598	-4510	1120638

101	39.1685	-121.9787	-4300	1120640
102	38.9699	-122.0622	-2285	1120641
103	39.1337	-121.9714	-4505	1120644
104	39.1025	-121.9626	-4471	1120646
105	39.0458	-121.8645	-4625	1120647
106	39.0243	-121.9112	-5026	1120648
107	39.2853	-121.9879	-3781	1120668
108	39.2786	-121.9667	-3451	1120669
109	39.0289	-122.0629	-4332	1120676
110	39.1130	-121.9648	-4365	1120678
111	40.1779	-122.3074	-2332	1300167
112	39.4516	-121.9496	-3511	2100016
113	39.4150	-122.0361	-3616	2100029
114	39.6697	-122.0321	-4649	2100051
115	39.7766	-122.0716	-3899	2100055
116	39.5411	-122.0776	-4038	2100177
117	39.5111	-122.0408	-3495	2100210
118	39.5949	-122.1959	-1834	2100290
119	39.6282	-122.0111	-4591	2100301
120	39.5085	-121.9121	-3153	2100345
121	39.7158	-122.2385	-2289	2120167
122	39.7105	-122.1629	-2718	2120178
123	39.6957	-122.0118	-4562	2120186
124	39.6801	-121.9821	-4510	2120220
125	39.6326	-122.1330	-3086	2120223
126	39.7268	-122.0097	-4867	2120227
127	39.6265	-122.0440	-4206	2120228
128	39.4724	-122.1097	-3644	2120231
129	39.5249	-121.9206	-2971	2120242
130	39.6029	-122.0511	-4187	2120260
131	39.6157	-122.0596	-4296	2120265
132	39.4772	-121.8873	-3149	2120266
133	39.5947	-122.1632	-4114	2120303
134	39.6219	-122.1358	-3574	2120304
135	39.5677	-122.1396	-4247	2120306
136	39.4235	-122.0638	-3726	2120434
137	39.4727	-121.9828	-3644	2120444
138	39.7589	-122.1724	-2887	2120464
139	39.7550	-122.1638	-3044	2120465
140	39.4707	-121.9467	-2427	2120494
141	39.5647	-122.1972	-3347	2120500
142	39.6018	-122.1104	-3265	2120506

143	39.4366	-122.0622	-3625	2120520
144	39.7553	-122.2780	-1043	2120531
145	39.6803	-122.0746	-4208	2120553
146	39.7617	-122.2799	-1169	2120556
147	39.6715	-122.0414	-3873	2120567
148	39.4758	-122.0472	-4713	2120569
149	39.6950	-122.0416	-4196	2120583
150	39.6271	-122.0333	-4264	2120584
151	39.7082	-122.1406	-3011	2120611
152	39.4793	-121.9734	-3551	2120614
153	39.4768	-121.9898	-3249	2120617
154	39.5968	-122.0126	-3861	2120620
155	39.6194	-122.0399	-4403	2120622
156	39.4496	-122.0365	-3425	2120626
157	39.4800	-121.9345	-3306	2120628
158	39.4490	-122.2423	-5171	2120632
159	39.6587	-122.0350	-3805	2120634
160	39.5611	-122.0360	-4113	2120645
161	39.5289	-122.0854	-3855	2120666
162	39.4533	-122.0290	-3528	2120669
163	39.4534	-122.0289	-3528	2120671
164	39.6567	-122.1336	-3071	2120676
165	39.6691	-122.1324	-3141	2120680
166	39.6847	-122.0694	-4128	2120682
167	39.6225	-122.1321	-3124	2120683
168	39.6674	-122.0714	-4262	2120684
169	39.6243	-122.1289	-3185	2120686
170	39.6664	-122.1222	-3268	2120687
171	39.6658	-122.0791	-3847	2120691
172	39.5860	-122.1160	-4555	2120693
173	39.6245	-122.1211	-3266	2120694
174	39.6261	-122.1296	-3091	2120695
175	39.5983	-122.1007	-4558	2120696
176	39.6876	-122.0988	-3750	2120698
177	39.6886	-122.1323	-3089	2120699
178	39.6516	-122.1113	-3277	2120700
179	39.7187	-122.1784	-2273	2120702
180	39.7037	-122.1265	-3334	2120703
181	39.5657	-122.2054	-1956	2120704
182	39.6567	-122.0846	-3774	2120706
183	39.6994	-122.0268	-4077	2120708
184	39.7859	-122.1384	-3671	2120709

185	39.7716	-122.1189	-3499	2120710
186	39.7757	-122.1239	-3602	2120712
187	39.6108	-122.1260	-3238	2120717
188	39.4507	-121.9494	-3613	2120722
189	39.4408	-121.9508	-3580	2120723
190	39.6988	-122.1033	-3803	2120727
191	39.7096	-122.0216	-4455	2120730
192	39.4515	-121.9632	-3651	2120732
193	39.4397	-121.9609	-3577	2120733
194	39.4472	-121.9601	-3672	2120734
195	39.6359	-122.0764	-4179	2120802
196	39.4620	-122.2313	-5858	2120809
197	38.2519	-121.4222	-8823	6700383
198	38.3404	-121.3954	-7080	6720144
199	38.4162	-121.4078	-6622	6720228
200	38.2217	-121.3220	-6352	7700542
201	37.8377	-121.1112	-7729	7720342
202	38.2536	-121.4469	-9194	7720509
203	37.8862	-121.3069	-10036	7720587
204	38.1660	-121.9188	-4139	9500073
205	38.1482	-122.1148	-3459	9500334
206	38.5087	-121.7009	-8925	9520618
207	37.6492	-120.8512	-6561	9900028
208	39.1179	-121.8407	-4150	10100035
209	39.0966	-121.8781	-4295	10100069
210	39.1713	-121.8135	-3673	10100108
211	39.1331	-121.7712	-3442	10100175
212	38.9569	-121.7027	-3963	10100247
213	39.0243	-121.7859	-4307	10100262
214	39.0950	-121.6521	-2556	10100266
215	38.8181	-121.5334	-4342	10120155
216	39.2573	-121.8553	-3542	10120164
217	39.0670	-121.8209	-4096	10120170
218	39.2548	-121.8926	-3714	10120171
219	39.1038	-121.7000	-3098	10120172
220	39.0032	-121.7024	-5226	10120224
221	39.0003	-121.7634	-4339	10120229
222	38.8978	-121.5837	-3133	10120256
223	39.0665	-121.8244	-4254	10120267
224	38.9859	-121.7829	-4618	10120287
225	39.0519	-121.8156	-4260	10120307
226	39.1619	-121.9165	-4411	10120318

227	39.0288	-121.7533	-4119	10120322
228	39.0374	-121.8034	-4327	10120330
229	39.1202	-121.7209	-3350	10120342
230	39.0795	-121.7047	-3376	10120349
231	39.0039	-121.6755	-3436	10120360
232	39.0197	-121.7669	-3458	10120361
233	38.9963	-121.7725	-5022	10120389
234	38.9048	-121.6799	-3907	10120393
235	39.0359	-121.7076	-3712	10120395
236	39.0581	-121.7117	-3784	10120396
237	39.0247	-121.7200	-3973	10120402
238	39.1057	-121.8103	-4192	10120403
239	39.0339	-121.8030	-4351	10120408
240	39.1303	-121.7214	-3282	10120422
241	39.0046	-121.7366	-4225	10120435
242	38.9568	-121.8200	-3776	10120439
243	38.9171	-121.7499	-4713	10120453
244	38.8076	-121.6583	-4676	10120454
245	39.1534	-121.9004	-4643	10120463
246	39.1562	-121.8709	-4295	10120469
247	39.1596	-121.9123	-4211	10120470
248	38.9817	-121.8107	-4723	10120472
249	39.0574	-121.8334	-4231	10120486
250	39.2451	-121.9061	-3598	10120493
251	39.1532	-121.7148	-3247	10120494
252	39.0840	-121.6923	-3216	10120495
253	39.2239	-121.9071	-3665	10120496
254	39.0763	-121.7296	-3743	10120497
255	38.9524	-121.8034	-3663	10120501
256	39.1134	-121.7130	-3326	10120504
257	39.2420	-121.9167	-3482	10120508
258	39.1293	-121.8795	-4599	10120509
259	39.1636	-121.7074	-3197	10120510
260	39.0648	-121.7185	-3690	10120512
261	39.1339	-121.8763	-4529	10120514
262	39.0090	-121.8007	-3421	10120517
263	38.9879	-121.7622	-4469	10120518
264	38.9581	-121.8307	-5019	10120520
265	39.0115	-121.8133	-4671	10120521
266	38.9793	-121.7895	-4754	10120522
267	39.1734	-121.9161	-3639	10120527
268	39.1739	-121.9051	-4270	10120530

269	38.8636	-121.7101	-6054	10120579
270	39.0458	-121.7938	-4263	10120584
271	39.9558	-122.1546	-1587	10300026
272	39.8740	-122.1275	-3113	10300085
273	40.1009	-122.2035	-2868	10320118
274	39.8557	-122.1738	-3045	10320121
275	40.0135	-122.2643	-2305	10320142
276	39.9096	-122.2034	-3008	10320143
277	40.0626	-122.1945	-2361	10320150
278	39.8549	-122.0843	-3799	10320181
279	40.0148	-122.0779	-3552	10320198
280	39.8375	-122.2807	-2121	10320206
281	39.8314	-122.0725	-3937	10320208
282	39.8654	-122.2769	-1636	10320211
283	39.8770	-122.2104	-2764	10320212
284	39.8377	-122.2939	-1717	10320213
285	39.8043	-122.1629	-3405	10320226
286	40.1289	-122.3647	-1649	10320228
287	39.8115	-122.1895	-2008	10320233
288	39.8064	-122.1173	-3578	10320234
289	39.8416	-122.2434	-2140	10320235
290	39.8179	-122.2443	-1968	10320236
291	39.8490	-122.2388	-2233	10320238
292	39.8200	-122.2755	-1949	10320239
293	39.8425	-122.2570	-1986	10320240
294	39.8142	-122.2575	-1973	10320242
295	39.8214	-122.2458	-2002	10320247
296	39.8051	-122.2881	-1155	10320250
297	39.8027	-122.2799	-1370	10320251
298	40.1428	-122.3681	-2147	10320276
299	40.0038	-122.1446	-1364	10320286
300	39.8667	-122.1294	-3193	10320287
301	39.8410	-122.1857	-2324	10320294
302	38.5367	-121.9087	-7086	11300106
303	38.3978	-121.6642	-10237	11300187
304	38.3297	-121.6383	-10058	11300193
305	38.4657	-121.6244	-9076	11300210
306	38.7323	-121.6435	-5126	11300284
307	38.7189	-121.9434	-4777	11320571
308	38.9087	-121.8949	-5148	11320640
309	38.5344	-121.6060	-8380	11320642
310	38.6157	-121.7605	-7208	11320724

311	38.8641	-121.8177	-5566	11320896
312	38.7790	-121.8963	-4851	11320945
313	38.8348	-121.7390	-5513	11321027
314	38.8192	-121.7787	-5708	11321031
315	38.8409	-121.7612	-5691	11321039
316	38.4576	-121.6616	-9484	11321042
317	38.9174	-121.9148	-5278	11321079
318	38.8999	-121.8375	-5333	11321095
319	38.9174	-121.9073	-5270	11321100
320	38.9083	-121.9011	-5136	11321101
321	38.7491	-121.9611	-4600	11321123
322	38.6197	-121.7467	-7202	11321164
323	39.1786	-121.4888	-601	11520006
324	39.1011	-121.5759	-2083	11520007
325	38.1014	-121.5125	-10351	7720217
326	38.1489	-121.3505	-8500	7700548
327	38.4270	-121.5257	-9200	6700314
328	38.8518	-121.8366	-5800	11321025
329	38.4129	-121.5744	-9500	11300017
330	40.3186	-122.6525	-328	Dry Creek Outcrop
331	38.9115	-122.3051	-328	Cache Creek Outcrop
332	38.5032	-122.0923	-2953	Putah Creek Outcrop
333	38.1014	-121.5125	-10351	7720217
334	38.4680	-121.3254	-3181	6700322
335	38.7038	-121.3017	-1062	6700335
336	38.0530	-121.0557	-4000	7700485
337	37.5755	-121.8189	-6624	11320842
338	38.4869	-121.7841	-8889	9520347
339	38.3004	-121.7265	-9393	9520911
340	38.3671	-121.8133	-9776	9521094
341	38.4164	-121.7035	-9966	9521077
342	38.3950	-121.7458	-9966	9520195
343	38.1989	-121.6599	-1280	9500289
344	38.2415	-121.8321	-1306	9521102
345	38.2240	-121.8020	-1280	9520423
346	37.9737	-121.6068	-1156	1320347
347	38.4273	-121.8041	-9318	9520442
348	38.2009	-121.5386	-1104	6720321
349	38.0205	-121.4785	-9969	7720316
350	38.6992	-121.8038	-6236	11300004
351	38.2542	-121.5894	-1009	6720342
352	37.7428	-121.6366	-1149	7720471

353	37.9385	-121.1519	-7000	7700444
-----	---------	-----------	-------	---------

10. Sacramento Shale				
Well Number	Latitude	Longitude	Depth	API
1	39.0674	-121.8796	-3542	1100129
2	39.0536	-121.9508	-3346	1100154
3	38.9721	-121.8461	-4166	1100163
4	39.2638	-121.9575	-1332	1100298
5	39.0421	-121.8928	-3745	1120142
6	39.0266	-121.9116	-3849	1120144
7	39.0249	-121.9506	-3481	1120176
8	39.0192	-121.9218	-3847	1120210
9	39.2314	-121.9655	-1381	1120235
10	38.9665	-121.9870	-3185	1120509
11	39.1636	-121.7074	-2467	1120510
12	39.1515	-122.0138	-2248	1120511
13	38.9515	-121.9051	-4336	1120626
14	38.9591	-121.8962	-4210	1120631
15	39.0289	-122.0629	-2577	1120676
16	39.1130	-121.9648	-3010	1120678
17	37.8510	-121.6678	-5076	1300235
18	38.8005	-121.4269	-1219	6100001
19	38.4546	-121.4658	-6698	6700032
20	38.4430	-121.4561	-6939	6700035
21	38.3928	-121.4259	-6792	6700040
22	38.2574	-121.4896	-9284	6700277
23	38.4008	-121.3160	-3965	6700302
24	38.4067	-121.1829	-2395	6700304
25	38.3680	-121.1444	-2252	6700305
26	38.3551	-121.1595	-2397	6700306
27	38.4305	-121.4030	-5449	6700311
28	38.4639	-121.3733	-4522	6700313
29	38.4270	-121.5257	-8009	6700314
30	38.4532	-121.4395	-6467	6700315
31	38.4356	-121.4492	-6603	6700316
32	38.4203	-121.4671	-7336	6700319
33	38.4680	-121.3254	-3081	6700322
34	38.4146	-121.1821	-2307	6700323
35	38.4925	-121.2387	-2472	6700324
36	38.4516	-121.3355	-4206	6700325
37	38.7183	-121.5162	-3544	6700328
38	38.6758	-121.5606	-4615	6700333

39	38.2519	-121.4222	-8338	6700383
40	38.3424	-121.5253	-9480	6720029
41	38.3971	-121.4219	-6543	6720081
42	38.3614	-121.3664	-5578	6720103
43	38.4271	-121.4366	-6538	6720113
44	38.7327	-121.5349	-3644	6720117
45	38.3404	-121.3954	-6770	6720144
46	38.4047	-121.4289	-6615	6720149
47	38.4887	-121.3043	-2593	6720151
48	38.4191	-121.4389	-6775	6720164
49	38.4117	-121.4869	-7571	6720170
50	38.4136	-121.4561	-7172	6720179
51	38.4638	-121.4470	-6724	6720183
52	38.4013	-121.4729	-7817	6720184
53	38.4162	-121.4078	-5701	6720228
54	38.4062	-121.4603	-7350	6720254
55	38.2912	-121.4013	-7629	6720255
56	38.3309	-121.4146	-7468	6720276
57	38.2215	-121.2697	-4580	7700020
58	38.2145	-121.2510	-4326	7700022
59	38.2155	-121.2695	-4662	7700025
60	37.8684	-121.3543	-9658	7700044
61	38.2104	-121.2150	-3904	7700065
62	38.2074	-121.2030	-3844	7700066
63	38.1886	-121.1855	-3862	7700067
64	38.2205	-121.2388	-4278	7700071
65	37.7256	-121.5116	-2173	7700337
66	37.7812	-121.2463	-9836	7700371
67	37.7004	-121.5031	-1400	7700380
68	37.6198	-121.4389	-3360	7700409
69	37.9385	-121.1519	-6223	7700444
70	37.9244	-121.2362	-8166	7700447
71	37.9615	-121.0710	-4826	7700451
72	37.9645	-121.0968	-4901	7700453
73	38.0545	-121.1513	-5057	7700481
74	38.0402	-121.1508	-5095	7700482
75	38.0530	-121.0557	-3819	7700485
76	38.0108	-121.1301	-6158	7700487
77	37.9825	-121.0366	-4610	7700489
78	37.6295	-121.4483	-3502	7700495
79	38.1087	-121.2128	-5386	7700520
80	38.1221	-121.0789	-3201	7700523

81	38.2217	-121.3220	-5873	7700542
82	38.1489	-121.3505	-8071	7700548
83	38.2155	-121.1861	-3821	7700549
84	38.1655	-121.1587	-3785	7700553
85	38.1731	-121.1286	-3451	7700556
86	38.2362	-121.1145	-2663	7700558
87	37.6189	-121.4401	-3455	7700576
88	37.6555	-121.4612	-3637	7720061
89	37.9294	-121.4954	-10170	7720145
90	37.8011	-121.1463	-8684	720163
91	38.1014	-121.5125	-10170	7720217
92	38.2129	-121.2059	-3904	720288
93	38.2085	-121.3712	-7756	720305
94	37.8525	-121.1217	-7463	720307
95	37.8887	-121.1086	-6767	720314
96	37.8595	-121.1199	-7362	720319
97	38.2467	-121.4625	-9086	720331
98	37.8377	-121.1112	-7390	720342
99	37.9733	-121.1023	-4698	720347
100	38.1463	-121.1438	-3783	720353
101	37.8239	-121.1214	-7583	7720368
102	37.6736	-121.4337	-9474	7720393
103	38.0588	-121.0617	-3942	7720409
104	38.2230	-121.3697	-7666	7720455
105	37.7428	-121.2602	-9836	7720478
106	38.2536	-121.4469	-8764	7720509
107	37.8862	-121.3069	-9919	7720587
108	38.1660	-121.9188	-3310	9500073
109	38.1863	-121.6793	-1251	9500230
110	38.1989	-121.6599	-1248	9500289
111	38.4978	-121.9884	-5011	9500370
112	38.2320	-121.8872	-9819	9500440
113	38.5087	-121.7009	-8612	9520618
114	38.4386	-121.7052	-9653	9520627
115	38.3004	-121.7265	-9080	9520911
116	37.6691	-121.0616	-9606	9900021
117	37.6492	-120.8512	-5961	9900028
118	37.6055	-120.7974	-6393	9900048
119	37.6976	-120.9525	-7433	9920001
120	37.6020	-120.9268	-9417	9920009
121	37.7297	-120.8705	-5545	9920013
122	37.7071	-120.9290	-6860	9920041

123	39.1179	-121.8407	-3150	10100035
124	39.0966	-121.8781	-3370	10100069
125	38.8264	-121.5473	-2618	10100099
126	38.8381	-121.5689	-3012	10100100
127	39.1713	-121.8135	-2473	10100108
128	39.1331	-121.7712	-2742	10100175
129	38.8135	-121.5904	-3180	10100226
130	38.8982	-121.7302	-3895	10100230
131	38.8799	-121.7583	-4342	10100234
132	38.9196	-121.6662	-2955	10100235
133	38.8845	-121.5830	-2388	10100236
134	38.8473	-121.6851	-3805	10100237
135	38.8586	-121.5502	-2368	10100242
136	38.9569	-121.7027	-3263	10100247
137	39.0243	-121.7859	-3507	10100262
138	39.0879	-121.6105	-1686	10100265
139	39.0950	-121.6521	-2031	10100266
140	38.9141	-121.6905	-3457	10120048
141	38.9234	-121.7293	-3878	10120059
142	38.8796	-121.7821	-4518	10120093
143	38.9001	-121.7147	-3698	10120106
144	38.8403	-121.6088	-3078	10120123
145	38.8181	-121.5334	-2748	10120155
146	38.7730	-121.5357	-3071	10120168
147	38.8311	-121.6662	-3819	10120185
148	38.9179	-121.7986	-4194	10120234
149	38.8978	-121.5837	-2343	10120256
150	39.0519	-121.8156	-3441	10120307
151	39.0374	-121.8034	-3555	10120330
152	39.1202	-121.7209	-2455	10120342
153	39.0795	-121.7047	-2561	10120349
154	39.0039	-121.6755	-2706	10120360
155	38.9963	-121.7725	-3324	10120389
156	38.9048	-121.6799	-3270	10120393
157	39.0359	-121.7076	-2805	10120395
158	39.0581	-121.7117	-2889	10120396
159	39.0247	-121.7200	-2956	10120402
160	39.1057	-121.8103	-3053	10120403
161	39.0339	-121.8030	-3526	10120408
162	39.0046	-121.7366	-3301	10120435
163	39.2577	-121.9378	-1079	10120449
164	38.9171	-121.7499	-4033	10120453

165	39.1534	-121.9004	-2943	10120463
166	39.1562	-121.8709	-2805	10120469
167	39.1596	-121.9123	-2861	10120470
168	38.9817	-121.8107	-3983	10120472
169	39.0574	-121.8334	-3556	10120486
170	39.2451	-121.9061	-2173	10120493
171	39.1532	-121.7148	-2331	10120494
172	39.0840	-121.6923	-2391	10120495
173	39.2239	-121.9071	-2255	10120496
174	39.0763	-121.7296	-2833	10120497
175	38.9524	-121.8034	-2898	10120501
176	39.1134	-121.7130	-2476	10120504
177	39.2420	-121.9167	-1802	10120508
178	39.1293	-121.8795	-3249	10120509
179	39.0648	-121.7185	-2750	10120512
180	39.1339	-121.8763	-3229	10120514
181	39.0090	-121.8007	-2991	10120517
182	39.0115	-121.8133	-3801	10120521
183	39.1609	-121.8450	-2569	10120528
184	38.8636	-121.7101	-4822	10120579
185	39.0458	-121.7938	-3348	10120584
186	38.6992	-121.8038	-5907	11300004
187	38.4065	-121.5668	-8998	11300009
188	38.4180	-121.5666	-8847	11300013
189	38.4129	-121.5744	-9019	11300017
190	38.7479	-121.9438	-3680	11300023
191	38.7550	-121.9462	-3707	11300024
192	38.7546	-121.9316	-3857	11300027
193	38.7815	-121.9610	-2839	11300034
194	38.5926	-121.6051	-6172	11300079
195	38.5367	-121.9087	-6774	11300106
196	38.6574	-122.0114	-3173	11300139
197	38.7503	-121.9622	-3765	11300151
198	38.7017	-121.9248	-4749	11300153
199	38.8136	-121.9922	-2064	11300165
200	38.8638	-122.0017	-1923	11300170
201	38.9217	-121.9205	-4315	11300178
202	38.3297	-121.6383	-1038	11300190
203	38.3938	-121.6324	-9536	11300195
204	38.4761	-121.5892	-8512	11300202
205	38.4685	-121.6911	-8975	11300204
206	38.4657	-121.6244	-8511	11300210

207	38.5433	-121.8346	-7560	11300225
208	38.6520	-121.8976	-5208	11300240
209	38.6225	-121.7052	-6718	11300249
210	38.5958	-121.6540	-6720	11300256
211	38.6351	-121.5773	-5269	11300259
212	38.7372	-121.8921	-4556	11300263
213	38.7451	-121.6475	-4690	11300283
214	38.7323	-121.6435	-4701	11300284
215	38.8207	-121.8042	-5181	11300288
216	38.7533	-121.7700	-5588	11300291
217	38.7511	-121.6219	-4442	11300292
218	38.7321	-121.8530	-5421	11300294
219	38.4333	-121.5865	-8870	11300295
220	38.9221	-121.8521	-4541	11300297
221	38.8775	-121.8708	-4942	11300300
222	38.8768	-121.8256	-4804	11300301
223	38.7664	-121.8965	-4232	11320053
224	38.9053	-121.9676	-4007	11320110
225	38.7709	-121.8785	-5066	11320125
226	38.7629	-121.9547	-3402	11320170
227	38.6362	-121.8872	-5401	11320173
228	38.8499	-122.0189	-1524	11320297
229	38.8242	-121.7601	-4823	11320437
230	38.7281	-121.7155	-5557	11320446
231	38.7281	-122.0222	-2957	11320467
232	38.7694	-121.9295	-3764	11320560
233	38.7189	-121.9434	-4381	11320571
234	38.9087	-121.8949	-4578	11320640
235	38.5344	-121.6060	-8140	11320642
236	38.7714	-121.7284	-5485	11320680
237	38.6157	-121.7605	-7076	11320724
238	38.5755	-121.8189	-6312	11320842
239	38.6210	-121.9711	-4418	11320863
240	38.7799	-121.8372	-5151	11320866
241	38.6994	-121.9002	-4881	11320996
242	38.8518	-121.8366	-5689	11321025
243	38.9174	-121.9148	-4405	11321079
244	38.8999	-121.8375	-4840	11321095
245	38.6173	-121.5804	-5675	11321099
246	38.9174	-121.9073	-4490	11321100
247	38.9083	-121.9011	-4531	11321101
248	39.1011	-121.5759	-1448	11520007

249	38.4869	-121.7841	-8576	9520347
250	38.3671	-121.8133	-9463	9521094
251	38.4164	-121.7035	-9653	9521077
252	38.3950	-121.7458	-9653	9520195
253	38.2415	-121.8321	-12764	9521102
254	38.2240	-121.8020	-12518	9520423
255	37.9737	-121.6068	-10903	1320347
256	38.4273	-121.8041	-9015	9520442
257	38.0626	-121.6366	-10170	1320303
258	38.2009	-121.5386	-10643	6720321
259	38.0205	-121.4785	-9356	7720316
260	38.2542	-121.5894	-9698	6720342

11. Winters Formation				
Well Number	Latitude	Longitude	Depth	API
1	39.0536	-121.9508	-3200	1100154
2	39.0266	-121.9116	-3318	1120144
3	39.1510	-122.0906	-7791	1120665
4	37.9275	-121.7336	-5433	1300021
5	37.8546	-121.6102	-8942	1300231
6	38.0116	-121.6075	-10540	1320111
7	37.8783	-121.6815	-6446	1320112
8	37.8169	-121.5790	-10835	1320129
9	37.8601	-121.6479	-6324	1320180
10	37.9102	-121.6449	-9408	1320228
11	38.0626	-121.6366	-9190	1320303
12	37.9737	-121.6068	-10403	1320347
13	38.0851	-121.6035	-10013	1320350
14	38.3404	-121.3954	-5810	6720144
15	38.4162	-121.4078	-5084	6720228
16	38.2912	-121.4013	-6469	6720255
17	38.3309	-121.4146	-5880	6720276
18	38.3070	-121.5156	-6976	6720278
19	38.2138	-121.5854	-8969	6720281
20	38.2009	-121.5386	-8368	6720321
21	38.3317	-121.5283	-6671	6720324
22	38.1700	-121.6222	-9220	6720333
23	38.2131	-121.5541	-8412	6720334
24	38.2149	-121.5731	-7694	6720337
25	38.2542	-121.5894	-7423	6720342
26	38.2800	-121.5582	-7483	6720346
27	38.3061	-121.4702	-6948	6720368

28	38.1030	-121.6396	-8102	6720381
29	38.0205	-121.4785	-8356	7720316
30	38.2467	-121.4625	-6811	7720331
31	38.0953	-121.4761	-8045	7720336
32	37.8087	-121.5101	-9778	7720374
33	37.9130	-121.3788	-8887	7720468
34	38.1030	-121.4991	-7809	7720490
35	38.1064	-121.4840	-7644	7720507
36	38.0665	-121.4463	-6667	7720538
37	37.9700	-121.5209	-9650	7720594
38	38.2049	-121.4919	-7318	7720598
39	38.1937	-121.4906	-8293	7720599
40	37.8801	-121.4005	-9105	7720604
41	38.2362	-121.4511	-6209	7720606
42	37.9843	-121.5431	-8101	7720654
43	38.1989	-121.6599	-8446	9500289
44	38.3528	-121.8161	-8930	9500381
45	38.4640	-121.7261	-6308	9500396
46	38.2822	-121.6061	-7400	9500470
47	38.2152	-122.0048	-3670	9500489
48	38.3527	-121.9455	-6538	9520039
49	38.4415	-121.7251	-6503	9520044
50	38.2173	-121.7765	-10982	9520096
51	38.2679	-121.6595	-7776	9520101
52	38.2859	-121.7753	-10238	9520138
53	38.2486	-121.6996	-7978	9520140
54	38.3861	-121.7040	-6954	9520147
55	38.3036	-121.7717	-9820	9520162
56	38.4618	-121.7341	-6507	9520186
57	38.2767	-121.7772	-10473	9520187
58	38.3950	-121.7458	-7588	9520195
59	38.4255	-121.7985	-7062	9520230
60	38.2782	-121.6264	-7994	9520253
61	38.5111	-121.7714	-5942	9520264
62	38.4033	-121.7906	-7840	9520269
63	38.4172	-121.8086	-7775	9520272
64	38.3122	-121.6472	-7828	9520277
65	38.5043	-121.7296	-6458	9520295
66	38.4614	-121.8011	-6540	9520300
67	38.3379	-121.6970	-7539	9520317
68	38.3118	-121.6704	-7591	9520318
69	38.4330	-121.8283	-6888	9520327

70	38.4877	-121.8060	-6079	9520332
71	38.3094	-121.6724	-7500	9520338
72	38.4385	-121.8040	-7004	9520339
73	38.4869	-121.7841	-6153	9520347
74	38.4319	-122.0015	-3785	9520354
75	38.4626	-122.0156	-3143	9520363
76	38.5333	-121.7477	-6306	9520366
77	38.4944	-121.7883	-6043	9520367
78	38.3261	-121.7711	-8873	9520374
79	38.4222	-121.7991	-7133	9520399
80	38.2541	-121.6810	-7962	9520405
81	38.3068	-121.9264	-6249	9520409
82	38.2240	-121.8020	-11161	9520423
83	38.4273	-121.8041	-7015	9520442
84	38.2259	-121.7712	-10426	9520483
85	38.2912	-121.8049	-10749	9520494
86	38.3032	-121.6265	-7829	9520496
87	38.4278	-121.8351	-7218	9520556
88	38.2979	-121.7737	-10017	9520636
89	38.2858	-121.7351	-9747	9520671
90	38.4100	-122.0088	-2715	9520701
91	38.3365	-121.6973	-7323	9520709
92	38.2184	-121.7600	-10718	9520718
93	38.2386	-121.8663	-10639	9520737
94	38.2266	-121.7493	-10501	9520749
95	38.4964	-121.7091	-6139	9520782
96	38.3436	-121.7626	-8101	9520814
97	38.1678	-121.7037	-8535	9520862
98	38.2171	-121.7164	-10852	9520898
99	38.3838	-121.8230	-8350	9520898
100	38.3004	-121.7265	-8677	9520911
101	38.3815	-121.7979	-8572	9520922
102	38.3740	-121.8224	-8635	9520926
103	38.3509	-121.7973	-8910	9520929
104	38.2207	-121.7174	-10920	9520932
105	38.3308	-121.7002	-7595	9520936
106	38.2630	-121.6252	-8600	9520960
107	38.2627	-121.6304	-7475	9520966
108	38.2114	-121.6950	-8562	9520983
109	38.2631	-121.6122	-7482	9520992
110	38.3152	-121.7683	-9000	9521038
111	38.4817	-121.7280	-6495	9521052

112	38.4973	-121.7166	-6189	9521056
113	38.2538	-121.6523	-7955	9521058
114	38.4828	-121.7074	-6393	9521062
115	38.3896	-121.8062	-8362	9521063
116	38.2485	-121.7362	-10210	9521064
117	38.2798	-121.8478	-11407	9521070
118	38.3978	-121.8158	-8439	9521072
119	38.4164	-121.7035	-6641	9521077
120	38.2514	-121.7481	-10091	9521078
121	38.3517	-121.6973	-7320	9521085
122	38.2122	-121.7190	-10961	9521093
123	38.3671	-121.8133	-8963	9521094
124	38.3753	-121.8141	-8445	9521095
125	38.2415	-121.8321	-11540	9521102
126	38.1959	-121.7394	-8755	9521147
127	38.4395	-121.7097	-6793	9521164
128	38.3959	-121.8269	-8153	9521169
129	39.1312	-121.7790	-2700	10100174
130	38.9570	-121.7026	-3015	10100247
131	39.0879	-121.6105	-1755	10100265
132	38.8181	-121.5334	-3176	10120155
133	38.8311	-121.6662	-3369	10120185
134	39.0519	-121.8156	-3183	10120307
135	39.0374	-121.8034	-3210	10120330
136	39.0039	-121.6755	-2442	10120360
137	38.9048	-121.6799	-2725	10120393
138	38.8089	-121.6703	-3569	10120413
139	38.7780	-121.6673	-3847	10120414
140	38.9171	-121.7499	-2543	10120453
141	38.8076	-121.6583	-3786	10120454
142	39.0090	-121.8007	-2881	10120517
143	38.9879	-121.7622	-3284	10120518
144	38.8349	-121.7047	-3567	10120558
145	38.8291	-121.6893	-3431	10120560
146	38.8636	-121.7101	-3480	10120579
147	38.4657	-121.6244	-6250	11300210
148	38.7189	-121.9434	-2862	11320571
149	38.9087	-121.8949	-4223	11320640
150	38.5344	-121.6060	-5830	11320642
151	38.7714	-121.7284	-4513	11320680
152	38.5203	-121.5330	-4125	11320806
153	38.5755	-121.8189	-3942	11320842

154	38.6210	-121.9711	-3858	11320863
155	38.7799	-121.8372	-4341	11320866
156	38.5551	-121.6608	-5362	11320881
157	38.8641	-121.8177	-4016	11320896
158	38.8342	-121.7771	-3977	11320922
159	38.5449	-121.9639	-4013	11320934
160	38.4732	-121.6360	-6044	11320938
161	38.7790	-121.8963	-3357	11320945
162	38.6994	-121.9002	-4421	11320996
163	38.8518	-121.8366	-4374	11321025
164	38.8348	-121.7390	-3743	11321027
165	38.8192	-121.7787	-4053	11321031
166	38.8409	-121.7612	-3781	11321039
167	38.4576	-121.6616	-6526	11321042
168	38.9173	-121.9247	-5400	11321052
169	38.9064	-121.9191	-5108	11321066
170	38.9174	-121.9148	-4072	11321079
171	38.5801	-121.7448	-5550	11321088
172	38.8999	-121.8375	-4300	11321095
173	38.6173	-121.5804	-4605	11321099
174	38.9174	-121.9073	-4340	11321100
175	38.9083	-121.9011	-4146	11321101
176	38.4313	-121.6769	-6892	11321103
177	38.4468	-121.6749	-7054	11321105
178	38.4547	-121.6403	-6687	11321107
179	38.3409	-121.6261	-7057	11321113
180	38.5791	-121.6726	-5784	11321117
181	38.3795	-121.5658	-7618	11321118
182	38.4500	-121.6730	-6965	11321119
183	38.4073	-121.5616	-7360	11321120
184	38.5030	-121.6472	-6531	11321121
185	38.5521	-121.6272	-5201	11321122
186	38.5886	-121.6433	-5435	11321131
187	38.6046	-121.6465	-5410	11321132
188	38.5914	-121.6309	-5620	11321139
189	38.7885	-121.9774	-1860	11321140
190	38.4011	-121.6456	-6895	11321146
191	38.5892	-121.6359	-5673	11321148
192	38.3566	-121.6224	-7842	11321155
193	38.6197	-121.7467	-5692	11321164
194	38.5468	-121.8827	-5061	11321201

12. Starkey Sandstone				
Well Number	Latitude	Longitude	Depth	API
1	39.0674	-121.8796	-3142	1100129
2	39.0421	-121.8928	-3270	1120142
3	39.0519	-121.8156	-2980	1120307
4	39.0374	-121.8034	-3008	1120330
5	39.0039	-121.6755	-2184	1120360
6	38.9048	-121.6799	-2307	1120393
7	38.9524	-121.8034	-2618	1120501
8	39.0090	-121.8007	-2693	1120517
9	38.9872	-121.8745	-3431	1120596
10	38.9505	-121.8462	-3467	1120598
11	38.9841	-121.8548	-3386	1120599
12	39.1510	-122.0906	-7441	1120665
13	37.9987	-121.6177	-6750	1300297
14	37.9915	-121.5863	-6245	1300299
15	38.0104	-121.6140	-6707	1320001
16	38.0115	-121.5962	-6081	1320118
17	38.0626	-121.6366	-7262	1320303
18	37.9737	-121.6068	-6788	1320347
19	38.1942	-121.5711	-6062	6700243
20	38.2574	-121.4896	-4904	6700277
21	38.2519	-121.4222	-4373	6700383
22	38.3404	-121.3954	-4205	6720144
23	38.4162	-121.4078	-3700	6720228
24	38.3309	-121.4146	-4599	6720276
25	38.3070	-121.5156	-5240	6720278
26	38.2138	-121.5854	-6405	6720281
27	38.2009	-121.5386	-5893	6720321
28	38.3317	-121.5283	-5083	6720324
29	38.1700	-121.6222	-6520	6720333
30	38.2131	-121.5541	-5952	6720334
31	38.2149	-121.5731	-4391	6720337
32	38.2542	-121.5894	-6018	6720342
33	38.2800	-121.5582	-5718	6720346
34	38.3061	-121.4702	-5168	6720368
35	38.1030	-121.6396	-6952	6720381
36	37.8738	-121.3260	-4968	7700057
37	38.2104	-121.2150	-2843	7700065
38	37.8294	-121.2941	-5224	7700327
39	37.8689	-121.2364	-4085	7700330
40	37.8353	-121.1872	-4074	7700331

41	37.8150	-121.1759	-4049	7700332
42	37.8043	-121.2010	-4189	7700334
43	37.8562	-121.1071	-3200	7700335
44	37.7481	-121.1432	-4869	7700374
45	37.7736	-121.1389	-4568	7700378
46	37.7428	-121.0904	-4598	7700379
47	38.2217	-121.3220	-3802	7700542
48	38.1710	-121.1556	-2775	7700552
49	37.8477	-121.2934	-4743	7720037
50	37.8540	-121.2877	-4643	7720040
51	37.8827	-121.2432	-4074	7720098
52	37.8452	-121.2526	-4405	7720103
53	37.8223	-121.2587	-4803	7720109
54	37.8011	-121.1461	-3778	7720163
55	37.7923	-121.1925	-4060	7720177
56	37.8524	-121.1213	-3348	7720307
57	38.0205	-121.4785	-7096	7720316
58	37.8597	-121.1189	-3297	7720319
59	38.2467	-121.4625	-4736	7720331
60	38.0953	-121.4761	-6495	7720336
61	37.8378	-121.1119	-3309	7720342
62	37.8200	-121.1161	-3480	7720368
63	37.7621	-120.9679	-3018	7720385
64	37.8620	-121.3426	-5070	7720412
65	38.1030	-121.4991	-6580	7720490
66	38.1064	-121.4840	-6467	7720507
67	38.2536	-121.4469	-4579	7720509
68	38.2049	-121.4919	-5395	7720598
69	38.1937	-121.4906	-5489	7720599
70	38.2362	-121.4511	-4809	7720606
71	37.9843	-121.5431	-7401	7720654
72	38.4342	-121.7524	-5440	9500003
73	38.3314	-121.8000	-7808	9500011
74	38.2921	-121.7508	-8321	9500012
75	38.3385	-121.7768	-7169	9500027
76	38.3759	-121.8146	-7090	9500030
77	38.3769	-121.8057	-5732	9500032
78	38.2253	-121.6961	-6869	9500039
79	38.3431	-121.7040	-5959	9500167
80	38.1989	-121.6599	-7018	9500289
81	38.2230	-121.7607	-9205	9500431
82	38.2807	-121.7149	-6616	9500447

83	38.2343	-121.7064	-7149	9500459
84	38.3123	-121.6675	-6010	9500462
85	38.2822	-121.6061	-5881	9500470
86	38.2152	-122.0048	-1065	9500489
87	38.2434	-121.7615	-8883	9520001
88	38.3992	-121.8049	-6374	9520009
89	38.1669	-121.7806	-10650	9520011
90	38.2652	-121.7621	-8621	9520027
91	38.3667	-121.7882	-6655	9520028
92	38.3412	-121.8080	-7655	9520033
93	38.2048	-121.8801	-9621	9520050
94	38.1965	-121.7960	-10410	9520068
95	38.2450	-121.6522	-5719	9520075
96	38.3241	-121.8011	-7967	9520088
97	38.2173	-121.7765	-9487	9520096
98	38.2679	-121.6595	-6001	9520101
99	38.3037	-121.8084	-8836	9520122
100	38.2859	-121.7753	-8708	9520138
101	38.2486	-121.6996	-6856	9520140
102	38.3861	-121.7040	-5728	9520147
103	38.1996	-121.7203	-9350	9520149
104	38.3567	-121.8088	-7156	9520160
105	38.3036	-121.7717	-8278	9520162
106	38.3601	-121.7556	-6081	9520165
107	38.2561	-121.7729	-9118	9520169
108	38.4178	-121.6996	-5573	9520176
109	38.4618	-121.7341	-5262	9520186
110	38.2767	-121.7772	-9018	9520187
111	38.3950	-121.7458	-6036	9520195
112	38.1822	-121.7961	-10470	9520215
113	38.2474	-121.7598	-8820	9520219
114	38.2068	-121.7570	-9061	9520224
115	38.4255	-121.7985	-5880	9520230
116	38.2497	-121.7728	-9135	9520234
117	38.3645	-121.7619	-6065	9520240
118	38.2782	-121.6264	-6021	9520253
119	38.5111	-121.7714	-4665	9520264
120	38.4033	-121.7906	-5967	9520269
121	38.4172	-121.8086	-6023	9520272
122	38.3122	-121.6472	-5805	9520277
123	38.2317	-121.7013	-8748	9520288
124	38.5043	-121.7296	-4554	9520295

125	38.3989	-121.7855	-5965	9520299
126	38.3379	-121.6970	-5964	9520317
127	38.3118	-121.6704	-6873	9520318
128	38.4330	-121.8283	-5908	9520327
129	38.4877	-121.8060	-4524	9520332
130	38.3094	-121.6724	-6015	9520338
131	38.4385	-121.8040	-5569	9520339
132	38.4869	-121.7841	-4628	9520347
133	38.5333	-121.7477	-4621	9520366
134	38.4944	-121.7883	-4568	9520367
135	38.3261	-121.7711	-7183	9520374
136	38.4222	-121.7991	-5818	9520399
137	38.2042	-121.7511	-8912	9520403
138	38.2541	-121.6810	-6500	9520405
139	38.4175	-121.7927	-5580	9520410
140	38.2240	-121.8020	-10120	9520423
141	38.4273	-121.8041	-5670	9520442
142	38.3596	-121.8277	-7655	9520461
143	38.3280	-121.7521	-7269	9520464
144	38.2259	-121.7712	-9193	9520483
145	38.2912	-121.8049	-9708	9520494
146	38.1985	-121.6979	-9240	9520495
147	38.3032	-121.6265	-5839	9520496
148	38.4278	-121.8351	-5363	9520556
149	38.2979	-121.7737	-8485	9520636
150	38.4072	-121.8040	-6323	9520637
151	38.2858	-121.7351	-8165	9520671
152	38.3365	-121.6973	-5906	9520709
153	38.2184	-121.7600	-9036	9520718
154	38.2266	-121.7493	-8765	9520749
155	38.4964	-121.7091	-4455	9520782
156	38.2028	-121.7910	-10060	9520785
157	38.2102	-121.7519	-8917	9520811
158	38.3436	-121.7626	-6435	9520814
159	38.3074	-121.7699	-8181	9520843
160	38.2171	-121.7164	-9041	9520897
161	38.3838	-121.8230	-7110	9520898
162	38.3004	-121.7265	-6173	9520911
163	38.3815	-121.7979	-6718	9520922
164	38.3740	-121.8224	-7240	9520926
165	38.3509	-121.7973	-7111	9520929
166	38.2207	-121.7174	-9075	9520932

167	38.3308	-121.7002	-6045	9520936
168	38.2627	-121.6304	-6099	9520966
169	38.2114	-121.6950	-7134	9520983
170	38.2286	-121.6890	-6789	9520986
171	38.2631	-121.6122	-6061	9520992
172	38.2280	-121.8479	-9940	9521016
173	38.1484	-121.7272	-10220	9521026
174	38.2341	-121.7774	-9360	9521029
175	38.2264	-121.8389	-10390	9521034
176	38.4234	-121.7794	-5585	9521035
177	38.3152	-121.7683	-8250	9521038
178	38.2556	-121.7542	-8157	9521043
179	38.2006	-121.8641	-10220	9521048
180	38.2101	-121.6880	-6808	9521050
181	38.4817	-121.7280	-4710	9521052
182	38.4973	-121.7166	-4469	9521056
183	38.2538	-121.6523	-5620	9521058
184	38.2242	-121.8633	-9513	9521061
185	38.4828	-121.7074	-4639	9521062
186	38.3896	-121.8062	-6914	9521063
187	38.2485	-121.7362	-8693	9521064
188	38.3978	-121.8158	-6529	9521072
189	38.1750	-121.8731	-10420	9521073
190	38.4164	-121.7035	-5446	9521077
191	38.2514	-121.7481	-8707	9521078
192	38.2375	-121.8368	-8606	9521082
193	38.3517	-121.6973	-5821	9521085
194	38.4518	-121.8079	-5340	9521088
195	38.2122	-121.7190	-9406	9521093
196	38.3671	-121.8133	-7346	9521094
197	38.3753	-121.8141	-7110	9521095
198	38.2247	-121.7393	-8989	9521097
199	38.2415	-121.8321	-8710	9521102
200	38.3057	-121.7425	-7134	9521140
201	38.2926	-121.7002	-6183	9521144
202	38.2282	-121.7458	-8898	9521148
203	38.4395	-121.7097	-5343	9521164
204	37.6693	-121.0624	-5256	9900021
205	37.6487	-120.8509	-3712	9900028
206	37.6053	-120.7977	-3623	9900048
207	37.6971	-120.9517	-3543	9920001
208	37.6013	-120.9276	-5557	9920009

209	37.7293	-120.8699	-2325	9920013
210	37.6715	-121.0892	-5473	9920019
211	37.7145	-120.7882	-2020	9920040
212	37.7072	-120.9284	-3060	9920041
213	39.1179	-121.8407	-2850	1010003
214	39.0966	-121.8781	-2995	1010006
215	39.1331	-121.7712	-2492	1010017
216	38.9569	-121.7027	-2463	1010024
217	39.0243	-121.7859	-3007	1010026
218	39.0950	-121.6521	-1831	1010026
219	39.1202	-121.7209	-2294	1012034
220	39.0795	-121.7047	-2334	1012034
221	38.8089	-121.6703	-2519	1012041
222	38.7780	-121.6673	-2796	1012041
223	39.0046	-121.7366	-2594	1012043
224	38.9171	-121.7499	-2808	1012045
225	38.8076	-121.6583	-2366	1012045
226	38.9879	-121.7622	-2769	1012051
227	38.8349	-121.7047	-2567	1012055
228	38.8163	-121.7228	-2802	1012055
229	38.8291	-121.6893	-2522	1012056
230	38.8636	-121.7101	-2452	1012057
231	39.0458	-121.7938	-2898	1012058
232	38.8181	-121.5334	-2579	1012015
233	38.3978	-121.6642	-5175	1130018
234	38.3297	-121.6383	-5610	1130019
235	38.4657	-121.6244	-4351	1130021
236	38.5958	-121.6540	-3620	1130025
237	38.7323	-121.6435	-2876	1130028
238	38.9087	-121.8949	-3683	1132064
239	38.5344	-121.6060	-3785	1132064
240	38.7714	-121.7284	-3093	1132068
241	38.6157	-121.7605	-3933	1132072
242	38.5203	-121.5330	-3616	1132080
243	38.5755	-121.8189	-3542	1132084
244	38.7799	-121.8372	-3750	1132086
245	38.5551	-121.6608	-3965	1132088
246	38.8641	-121.8177	-3379	1132089
247	38.8342	-121.7771	-3053	1132092
248	38.4732	-121.6360	-4410	1132093
249	38.7790	-121.8963	-2738	1132094
250	38.6994	-121.9002	-3021	1132099

251	38.8518	-121.8366	-3554	1132102
252	38.8348	-121.7390	-2830	1132102
253	38.8192	-121.7787	-3158	1132103
254	38.8409	-121.7612	-2956	1132103
255	38.4576	-121.6616	-4616	1132104
256	38.9173	-121.9247	-4650	1132105
257	38.9064	-121.9191	-4718	1132106
258	38.9174	-121.9148	-3665	1132107
259	38.5801	-121.7448	-3964	1132108
260	38.8999	-121.8375	-3602	1132109
261	38.6173	-121.5804	-4193	1132109
262	38.9174	-121.9073	-3680	1132110
263	38.9083	-121.9011	-3691	1132110
264	38.4313	-121.6769	-4912	1132110
265	38.5424	-121.6424	-3886	1132110
266	38.4468	-121.6749	-4915	1132110
267	38.5730	-121.6255	-3703	1132110
268	38.4547	-121.6403	-4597	1132110
269	38.3409	-121.6261	-5522	1132111
270	38.5791	-121.6726	-3864	1132111
271	38.3795	-121.5658	-4970	1132111
272	38.4500	-121.6730	-4825	1132111
273	38.4073	-121.5616	-4584	1132112
274	38.5030	-121.6472	-4314	1132112
275	38.5521	-121.6272	-3501	1132112
276	38.5886	-121.6433	-3745	1132113
277	38.6046	-121.6465	-3900	1132113
278	38.5914	-121.6309	-3700	1132113
279	38.8745	-121.8619	-3550	1132114
280	38.4011	-121.6456	-5818	1132114
281	38.5892	-121.6359	-3943	1132114
282	38.5885	-121.6433	-3716	1132114
283	38.7183	-121.7159	-3546	1132115
284	38.3566	-121.6224	-5292	1132115
285	38.6197	-121.7467	-4212	1132116
286	38.5468	-121.8827	-4035	1132120
287	39.1011	-121.5759	-1333	1152000

13. Mokelumne River Formation				
Well Number	Latitude	Longitude	Depth	API
1	38.0115	121.5962	-5331	1320118
2	37.9465	121.6218	-8023	1320143

3	38.0027	121.5979	-5674	1320161
4	37.9705	121.6033	-7300	1320162
5	37.9566	121.5856	-7335	1320196
6	37.9417	121.5827	-7390	1320276
7	37.9851	121.7415	-5622	1320286
8	38.0626	121.6366	-5272	1320303
9	37.9385	121.5759	-6879	1320310
10	37.9557	121.6083	-7823	1320318
11	38.0315	-121.6563	-7743	1320326
12	37.9562	-121.6293	-7830	1320332
13	37.9737	-121.6068	-5981	1320347
14	38.0680	-121.6727	-8177	1320392
15	38.2574	-121.4896	-3879	6700277
16	38.2519	-121.4222	-3273	6700383
17	38.3404	-121.3954	-3625	6720144
18	38.4162	-121.4078	-3308	6720228
19	38.3309	-121.4146	-3858	6720276
20	38.2138	-121.5854	-4573	6720281
21	38.2009	-121.5386	-4259	6720321
22	38.3317	-121.5283	-4114	6720324
23	38.1700	-121.6222	-4594	6720333
24	38.2131	-121.5541	-4297	6720334
25	38.2149	-121.5731	-3790	6720337
26	38.2542	-121.5894	-4546	6720342
27	38.2800	-121.5582	-4408	6720346
28	38.3061	-121.4702	-4108	6720368
29	38.1030	-121.6396	-4632	6720381
30	38.2104	-121.2150	-2418	7700065
31	38.2217	-121.3220	-3102	7700542
32	38.1710	-121.1556	-2425	7700552
33	38.0205	-121.4785	-6731	7720316
34	38.2467	-121.4625	-3676	7720331
35	38.0953	-121.4761	-5340	7720336
36	38.1030	-121.4991	-4710	7720490
37	38.1064	-121.4840	-5261	7720507
38	38.2536	-121.4469	-3334	7720509
39	38.0665	-121.4463	-5221	7720538
40	38.2151	-121.5031	-3866	7720593
41	37.9700	-121.5209	-6908	7720594
42	38.2049	-121.4919	-3986	7720598
43	38.1937	-121.4906	-4300	7720599
44	37.8838	-121.3695	-5535	7720603

45	37.8801	-121.4005	-5450	7720604
46	38.2362	-121.4511	-3814	7720606
47	37.8955	-121.3792	-5384	7720648
48	38.1989	-121.6599	-4893	9500289
49	38.2230	-121.7607	-7455	9500431
50	38.4877	-121.8060	-4334	9520332
51	38.3094	-121.6724	-5540	9520338
52	38.4869	-121.7841	-4368	9520347
53	38.3918	-121.8629	-7085	9520361
54	38.5333	-121.7477	-4326	9520366
55	38.4944	-121.7883	-4328	9520367
56	38.3261	-121.7711	-6513	9520374
57	38.4222	-121.7991	-4943	9520399
58	38.2042	-121.7511	-7202	9520403
59	38.4175	-121.7927	-4945	9520410
60	38.4273	-121.8041	-5100	9520442
61	38.3596	-121.8277	-7155	9520461
62	38.3280	-121.7521	-6644	9520464
63	38.3032	-121.6265	-4569	9520496
64	38.4072	-121.8040	-5320	9520637
65	38.4964	-121.7091	-3979	9520782
66	38.2102	-121.7519	-7203	9520811
67	38.1678	-121.7037	-6858	9520862
68	38.1678	-121.6970	-6666	9520863
69	38.2171	-121.7164	-7478	9520897
70	38.3509	-121.7973	-6348	9520929
71	38.3308	-121.7002	-5392	9520936
72	38.2630	-121.6252	-5013	9520960
73	38.2627	-121.6304	-5500	9520966
74	38.2286	-121.6890	-4769	9520986
75	38.2631	-121.6122	-5158	9520992
76	38.1484	-121.7272	-7461	9521026
77	38.2341	-121.7774	-7845	9521029
78	38.4234	-121.7794	-4675	9521035
79	38.3152	-121.7683	-7560	9521038
80	38.2556	-121.7542	-7222	9521043
81	37.9586	-121.5220	-4530	9521044
82	38.2101	-121.6880	-5533	9521050
83	38.4817	-121.7280	-4150	9521052
84	38.4973	-121.7166	-4009	9521056
85	38.2538	-121.6523	-4840	9521058
86	38.4828	-121.7074	-4084	9521062

87	38.3896	-121.8062	-6367	9521063
88	38.3978	-121.8158	-6109	9521072
89	38.1750	-121.8731	-8903	9521073
90	38.4164	-121.7035	-4446	9521077
91	38.2514	-121.7481	-8089	9521078
92	38.3517	-121.6973	-5503	9521085
93	38.4518	-121.8079	-5003	9521088
94	38.2122	-121.7190	-7046	9521093
95	38.3671	-121.8133	-7073	9521094
96	38.3753	-121.8141	-6863	9521095
97	38.2247	-121.7393	-7134	9521097
98	38.3057	-121.7425	-6504	9521140
99	38.2926	-121.7002	-5788	9521144
100	38.1959	-121.7394	-6835	9521147
101	38.2282	-121.7458	-7103	9521148
102	38.4395	-121.7097	-4653	9521164
103	38.7780	-121.6673	-2621	10120414
104	38.8076	-121.6583	-2041	10120454
105	38.8636	-121.7101	-2262	10120579
106	38.5344	-121.6060	-3480	11320642
107	38.5551	-121.6608	-3395	11320881
108	38.4732	-121.6360	-3943	11320938
109	38.4576	-121.6616	-3896	11321042
110	38.4313	-121.6769	-4587	11321103
111	38.5424	-121.6424	-3176	11321104
112	38.4468	-121.6749	-4205	11321105
113	38.5730	-121.6255	-3553	11321106
114	38.4547	-121.6403	-3937	11321107
115	38.3409	-121.6261	-4420	11321113
116	38.5791	-121.6726	-3364	11321117
117	38.3795	-121.5658	-4018	11321118
118	38.4073	-121.5616	-3728	11321120
119	38.5030	-121.6472	-3574	11321121
120	38.5521	-121.6272	-3105	11321122
121	38.5886	-121.6433	-3470	11321131
122	38.6046	-121.6465	-3445	11321132
123	38.5914	-121.6309	-3200	11321139
124	38.4011	-121.6456	-5645	11321146
125	38.5892	-121.6359	-3134	11321148
126	38.5885	-121.6433	-3023	11321149
127	38.7183	-121.7159	-3381	11321150
128	38.3566	-121.6224	-4372	11321155

129	38.6197	-121.7467	-4092	11321164
-----	---------	-----------	-------	----------