RMP-04 Revision 5, Attachment 1 FaultCrossings_2009
(Sorted by Mitigation and Total Risk)

	A	B	C	D	E	F	G	H	I	J	K	L	M
1	GasMapID	Risk Rank	Mitigation	PLE	MAINTORG	PIPELINE	SEGMNET	MP1	MP2	Total Risk	Risk	COF	PR at Rupture (%)
2	205093912	6	0	[redacted]	DEBY	105B	115.00	10.34	11.64	1085.8	1831.17	59.07	31.00
3	205093912	5	0	[redacted]	DERY	105B	115.00	10.34	11.64	1085.8	1831.17	59.07	31.00
4	205111516	12	0	[redacted]	DPEN	132	178.05	37.80	38.39	875.37	1260.84	60.04	21.00
5	205111516	11	0	[redacted]	DPEN	132	178.05	37.80	38.39	875.37	1260.84	60.04	21.00
6	205111518	14	0	[redacted]	DPLN	109	181.30	36.51	36.67	795.61	1221.36	56.16	21.00
7	205113765	13	0	[redacted]	DPEN	109	182.90	36.67	36.73	916.29	1221.36	56.16	21.00
8	205072970	16	0	[redacted]	G300N	306	115.60	28.71	38.00	849.86	696.36	33.16	21.00
9	205072970	15	0	[redacted]	G300N	306	115.60	28.71	38.00	849.86	696.36	33.16	21.00
10	205130588	17	0	[redacted]	DNCO	021E	180.00	117.24	117.46	1086.63	669.50	51.50	13.00
11	205078547	18	0	[redacted]	DNCO	021E	203.80	137.36	137.36	896.34	552.24	42.48	13.00
12	205083005	20	0	[redacted]	GHOL	103	113.00	9.03	10.00	770.8	552.09	26.29	21.00
13	205083005	19	0	[redacted]	GHOL	103	113.00	9.03	10.00	770.8	552.09	26.29	21.00
14	205081878	21	0	[redacted]	DCCO	181B	103.60	1.14	2.10	1038.2	540.75	25.75	21.00
15	205118234	22	0	[redacted]	DNCO	177A	215.10	170.57	171.00	1864.34	535.59	59.51	9.00
16	205140470	23	0	[redacted]	DNCO	177A	217.50	172.15	172.62	1611.44	535.59	59.51	9.00
17	205079669	24	0	[redacted]	DNCO	021A	130.00	27.32	29.27	271.81	511.14	24.34	21.00
18	205083554	25	0	[redacted]	GHOL	301D	211.00	1.00	1.72	674.11	509.25	24.25	21.00
19	205080383	26	0	[redacted]	G300N	306	115.10	17.82	26.19	673.18	507.36	24.16	21.00
20	205083140	27	0	[redacted]	GHOL	301H	104.00	1.01	1.68	445.77	482.58	22.98	21.00
21	205082389	29	0	[redacted]	GHOL	310	118.90	14.61	14.82	419.19	469.14	22.34	21.00
22	20508240 1	28	0	[redacted]	GHOL	310	119.00	14.87	17.27	553.23	469.14	22.34	21.00
23	205140441	34	0	[redacted]	DNCO	177A	237.00	182.00	183.14	1364	439.83	48.87	9.00
24	205140441	33	0	[redacted]	DNCO	177A	237.00	182.00	183.14	1364	439.83	48.87	9.00
25	205140441	32	0	[redacted]	DNCO	177A	237.00	182.00	183.14	1364	439.83	48.87	9.00
26	205140441	31	0	[redacted]	DNCO	177A	237.00	182.00	183.14	1364	439.83	48.87	9.00
27	205140441	30	0	[redacted]	DNCO	177A	237.00	182.00	183.14	1364	439.83	48.87	9.00
28	205083054	35	0	[redacted]	GHOL	301H	101.80	0.64	0.91	358.97	415.38	19.78	21.00
29	205083041	36	0	[redacted]	GHOL	301D	205.00	0.87	1.00	442.09	406.77	19.37	21.00
30	205118789	37	0	[redacted]	DNCO	126A	104.80	5.40	5.43	1640.44	382.95	42.55	9.00
31	205083085	38	0	[redacted]	GHOL	301G	105.30	2.34	2.75	1055.22	342.30	46.90	7.00
32	205094082	42	0	[redacted]	DNCO	126A	102.00	308.00	4.00	1153.95	303.75	33.75	9.00
33	205094082	41	0	[redacted]	DNCO	126A	102.00	308.00	4.00	1153.95	303.75	33.75	9.00
34	205094082	40	0	[redacted]	DNCO	126A	102.00	3.08	4.00	1153.95	303.75	33.75	9.00
35	205083425	44	0	[redacted]	GHOL	301H	101.20	0.00	0.64	253.71	293.58	13.98	21.00
36	205094103	49	0	[redacted]	DNCO	126A	103.00	4.00	4.09	1044.55	274.95	30.55	9.00
37	205140447	48	0	[redacted]	DNCO	126A	103.30	4.09	4.92	1229.4	274.95	30.55	9.00
38	205140447	47	0	[redacted]	DNCO	126A	103.30	4.09	4.92	1229.4	274.95	30.55	9.00
39	205140447	46	0	[redacted]	DNCO	126A	103.30	4.09	4.92	1229.4	274.95	30.55	9.00
40	205082963	50	0	[redacted]	GHOL	301H	115.90	1.69	1.75	247.91	268.38	12.78	21.00
41	205113443	51	0	[redacted]	DD A	SP3	122.00	179.20	179.66	782.29	256.48	64.62	4.00
42	205100985	53	0	[redacted]	G300S	300A	139.90	119.92	120.95	600.66	250.20	20.85	12.00

Note: Due to their high consequences, fault crossings are mitigated in a program that is in addition to the overall transmission risk mitigation program. In general, those with highest risk will be mitigated first.

[redacted]

RMP-04 Revision 5, Attachment 1 FaultCrossings_2009
(Sorted by Mitigation and Total Risk)

	N	O	P	Q	R	S	T	U	V	W
1	[illegible] Review or Retrofit	Fault Class	Cross Num	Fault	[illegible]LTAGE	Slip Rate	Ltype	Yearinstal	Grad	OD
2	1/1/1986, Job # 161804	2	1	Hayward fault	HOL	>5	dashed	1/1/1986	X52	24.000
3	1/1/1986, Job # 161804	1	1	Hayward fault	HIS	>5	solid	1/1/1986	X52	24.000
4	No, 1992 LQL Study of the effect of the 1906 San Francisco Earthquake on L-109 & L-132 does not cover these fault crossings. 1/1/1964 installed. Job # 159638	1	1	San Andreas fault	HIS	>5	solid	1/1/1964	X52	30.000
5	No, 1992 EQE Study of the effect of the 1906 San Francisco Earthquake on L-109 & L-132 does not cover these fault crossings. 1/1/1964 installed. Job # 159638	1	1	San Andreas fault	HIS	>5	dotted	1/1/1964	X52	30.000
6	No, 1992 EQE Study of the effect of the 1906 San Francisco Earthquake on L-109 & L-132 does not cover these fault crossings. 1/1/1964 installed. Job # 159638	1	1	San Andreas fault	HIS	>5	dotted	1/1/1964	X52	30.000
7	No, 1992 EQE Study of the effect of the 1906 San Francisco Earthquake on L-109 & L-132 does not cover these fault crossings. 1/1/1964 installed. Job # 159638	1	1	San Andreas fault	HIS	>5	solid	1/1/1964	X42	30.000
8	Installed 1/1/1962, Job # 148721	2	1	White Canyon fault	HOL	>5	dashed	1/1/1962	X52	20.000
9	Installed 1/1/1962, Job # 148721	2	1	San Andreas fault	HOL	>5	dashed	1/1/1962	X52	20.000
10		1	1	Maacama fault	HIS	>5	solid	1/1/1972	X42	8.625
11		2	1	Maacama fault	HOL	>5	solid	1/1/1972	X42	8.625
12		2	1	San Andreas fault	HOL	>5	solid	1/1/1930		12.750
13		1	1	San Andreas fault	HIS	>5	solid	1/1/1930		12.750
14	4676D 75	1	1	San Andreas fault	HIS	>5	solid	1/1/1950	GRB	10.750
15		2	1	Goose Lake fault	HOL	>5	dotted	1/1/1958	X46	12.750
16		2	1	Goose Lake fault	HOL	>5	dotted	1/1/1958	X46	12.750
17	Mitigated with sloped trench through the fault traces - Geosciences Department involvement 1986 - GM 4092521	2	1	Rodgers Creek fault	HOL	>5	solid	1/1/1988	X60	24.000
18		1	1	San Andreas fault	HIS	>5	solid	1/1/1957	X42	10.750
19	Installed 1/1/1962, Job # 148721	1	1	San Andreas fault	HIS	>5	solid	1/1/1962	X52	20.000
20		1	1	San Andreas fault	HIS	>5	solid	1/1/1970	X42	16.000
21		1	1	San Andreas fault	HIS	>5	solid	1/1/1988	X42	10.750
22		2	1	Bear Valley fault	HOL	>5	dashed	1/1/1930	X42	10.750
23		2	1	Little Salmon fault	HOL	>5	solid			0.000
24		2	1	Little Salmon fault	HOL	>5	solid			0.000
25		2	1	Little Salmon fault	HOL	>5	solid			0.000
26		2	1	Little Salmon fault	HOL	>5	solid			0.000
27		2	1	Little Salmon fault	HOL	>5	solid	1/1/1958	X42	12.750
28		1	1	San Andreas fault	HIS	>5	solid	1/1/1970	X42	16.000
29		1	1	San Andreas fault	HIS	>5	solid	1/1/1969	X42	10.750
30		2	1	Fast Trace Little Salmon f	HOL	>5	solid	1/1/1953	X42	6.625
31		1	1	Ca averas fault	HIS	>5	solid	1/1/1967	X52	30.000
32		0	1	Little Salmon fault	HOL	>5	solid	5/6/1905		0.000
33		0	1	Little Salmon fault	HOL	>5	solid	5/6/1905		0.000
34		2	1	Little Salmon fault	HOL	>5	solid	1/1/1953	X42	6.625
35		1	1	San Andreas fault	HIS	>5	solid	1/1/1970	X42	16.000
36		2	1	Little Salmon fault	HOL	>5	solid	1/1/1953	X42	6.625
37		2	1	Little Salmon fault	HOL	>5	solid	5/6/1905		0.000
38		2	1	Little Salmon fault	HOL	>5	solid	5/6/1905		0.000
39		2	1	Little Salmon fault	HOL	>5	solid	1/1/1953	X42	6.625
40		1	1	San Andreas fault	HIS	>5	solid	1/1/1970	X42	16.000
41	Yes?, 1/1/1990, Job # 4545489	2	1	Concord fault	HOL	1-5	solid	1/1/1990	X60	24.000
42		5	1	Pisgah fault	HOL	0.2-1	dashed	1/1/1950	X52	34.000

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[redacted]

	X	Y	Z	AA	AB
1	NoCust	HCAID	XCOORD	YCOORD	~32
2	-9	B5	557697 834066	4202845.583570	
3	-9	B5	557722 1686`8	4203090.505050	
4	0	B5	550281 586391	4182133.800450	
5	0	B5	550`31 528829	4182330.144320	
6	0	B5	550256 993879	4182189.234420	
7	0	A5	550`53 239171	4182303.543750	
8	500	N5	740585 996061	3952655.389910	
9	500	N5	739212 616851	393`380.675880	
10	5000	I2	482405 138497	4339272.078480	
11	5000	I2	470525 630661	4380253.201730	
12	-9	N1	631851 627095	4077875.718210	
13	9	N1	631821 828150	407`589.11`630	
14	-9	N1	624923 0909`2	4083322.609600	
15	32000	Z51	402980 077404	4489775.492650	
16	32000	N5	402817 624254	449`884.624670	
17	-9	N5	541909 956383	4233463.827910	
18	9	N1	628544 406835	4082371.804040	
19	500	N5	741397 930558	3984362.209540	
20	-9	N1	627285 645329	408`786.843620	
21	7000	N1	672895 536420	4039235.950600	
22	7000	N1	674703 614697	4036297.343`70	
23	0		398860 917091	4505206.083`40	
24	0		398609 `74536	4504006.966350	
25	0		398846 638536	4504741.071250	
26	0		398846 638536	4504741.071280	
27	32000	Z51	398848 1824`3	4504748.933230	
28	-9	N1	627598 691668	408`530.900810	
29	1000	N1	627282 683540	408`789.603070	
30	5000	I5	398974 153931	4506182.010970	
31	28000	N1	641588 555102	4080884.790210	
32	0		398816 687031	4502622.740440	
33	0		398641 714852	4503900.943040	
34	5000	N5	398745 3670`9	4502960.125`20	
35	-9	N1	628098 891064	408`056.975920	
36	5000	N5	398617 164722	4504030.719660	
37	0		398856 4483`5	4504790.536760	
38	0		398864 193159	4505198.377600	
39	5000	N5	398852 178671	4504769.307890	
40	9	N1	628539 236687	4082375.561520	
41	-9	I5	582955 6770`1	4206482.210710	
42	-9	N5	1096641 812790	3870691.858800	

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[redacted]

	A	B	C	D	E	F	G	H	I	J	K	L	M
43	2051010C1	52	0	[redacted]	G300S	300B	156.00	118.72	121.44	684.47	250.20	20.05	12.00
44	205119712	54	0		DD A	191-[illegible]	103.29	19.08	19.25	839.12	245.36	61.34	4.00
45	2051199C5	58	0		DSAC	210C	103.70	21.04	22.16	1023.46	242.16	60.54	4.00
46	2051199C5	57	0		DSAC	210C	103.70	21.04	22.16	1023.46	242.16	60.54	4.00
47	2051199C5	56	0		DSAC	210C	103.70	21.04	22.16	1023.46	242.16	60.54	4.00
48	2051199C5	55	0		DSAC	210C	103.70	21.04	22.16	1023.46	242.16	60.54	4.00
49	206127121	60	0		DNCO	021B	117.00	15.00	16.84	229.61	223.65	10.65	21.00
50	206127121	59	0		DNCO	021B	117.00	15.00	16.84	229.61	223.65	10.65	21.00
51	205083421	62	0		GHOL	301D	203.00	0.00	0.87	275.31	217.77	10.37	21.00
52	205083421	61	0		GHOL	301D	203.00	0.00	0.87	275.31	217.77	10.37	21.00
53	205116685	53	0		DD A	191-[illegible]	103.10	14.23	14.71	973.19	213.42	71.14	3.00
54	205129187	64	0		GHOL	301A	105.52	2.24	2.75	695.56	199.08	28.44	7.00
55	205114939	66	0		DSAC	210B	127.30	20.22	21.00	1200.09	193.72	48.43	4.00
56	205114939	65	0		DSAC	210B	127.30	20.22	21.00	1200.09	193.72	48.43	4.00
57	205118754	67	0		DNCO	177A	238.50	183.75	183.80	660.41	184.86	20.54	9.00
58	205124349	68	0		GTIOL	300A	356.11	461.62	461.80	674.45	181.30	25.90	7.00
59	205094110	70	0		DNCO	126A	108.00	5.34	7.00	731.21	180.45	20.05	9.00
60	205094110	69	0		DNCO	126A	108.00	5.34	7.00	731.21	180.45	20.05	9.00
61	205085737	72	0		GTIOL	300B	397.00	465.00	470.41	853.05	169.96	24.28	7.00
62	205083737	71	0		GHOL	300B	397.00	463.00	470.41	853.05	169.96	24.28	7.00
63	205087515	73	0		GHOL	300B	394.00	463.75	464.46	593.22	169.96	24.28	7.00
64	205087688	74	0		GTIOL	300D	996.50	465.41	466.00	377.24	155.96	22.28	7.00
65	205100160	78	0		G300N	300A	207.20	227.67	229.63	532.92	143.10	23.85	6.00
66	205100160	77	0		G300N	300A	207.20	227.67	229.63	532.92	143.10	23.85	6.00
67	205100361	76	0		G300N	300D	247.00	228.01	228.91	604.48	143.10	23.85	6.00
68	205091829	79	0		G300N	300B	247.10	220.91	228.84	551.28	123.90	20.65	6.00
69	205092304	82	0		GHOL	300A	351.53	458.34	459.58	327.28	118.30	16.90	7.00
70	205119368	80	0		GHOL	300A	351.44	457.95	458.13	344.18	118.30	16.90	7.00
71	2051194C1	93	0		GHOL	300A	351.41	455.20	457.81	327.28	118.30	16.90	7.00
72	2051194C5	81	0		GHOL	300A	351.42	457.81	457.89	344.18	118.30	16.90	7.00
73	205113703	84	0		DKRN	311 [illegible]	118.00	31.97	38.51	371.38	116.28	19.38	6.00
74	205113444	95	0		DD A	SF3	122.20	179.66	179.85	343.45	113.48	28.37	4.00
75	2051031C0	86	0		DKRN	311	118.00	31.97	38.79	524.57	112.98	18.83	6.00
76	205139708	87	0		GTRA	114	152.20	26.93	27.67	694.44	111.39	37.13	3.00
77	2051396C8	99	0		GTRA	303	117.00	18.27	18.84	650.24	99.45	33.15	3.00
78	2051396C8	88	0		GTRA	303	117.00	18.27	18.84	650.24	99.45	33.15	3.00
79	205096508	90	0		GBJR	400	138.00	47.17	48.64	719.87	95.42	36.70	2.60
80	205091575	94	0		G300N	300D	268.20	253.20	253.64	493.56	83.48	23.85	3.50
81	205101329	96	0		G300S	300A	139.70	114.67	116.48	980.87	74.63	29.85	2.50
82	205135610	85	0		G300S	300B	153.50	113.68	116.28	1034.59	74.63	29.85	2.50
83	205096540	98	0		GBJR	401	158.00	47.34	48.12	423.86	72.67	27.95	2.60
84	205096583	89	0		GBJR	401	180.00	57.99	58.69	423.86	72.67	27.95	2.60
85	205096762	97	0		GBJR	400	140.00	48.65	64.99	625.7	72.67	27.95	2.60
86	205095627	104	0		GBJR	401	219.00	77.79	78.27	423.86	69.88	27.95	2.50
87	205093781	103	0		GBJR	400	156.00	74.66	78.29	548.24	69.88	27.95	2.50
88	205096781	102	0		GBJR	400	156.00	74.66	78.29	548.24	69.88	27.95	2.50
89	205096781	101	0		GBJR	400	156.00	74.66	78.29	548.24	69.88	27.95	2.50
90	205093781	100	0		GBJR	400	156.00	74.66	78.29	548.24	69.88	27.95	2.50
91	205100926	105	0		G300S	300B	158.00	129.88	130.36	675.2	66.63	26.65	2.50

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[redacted]

	N	O	P	Q	R	S	T	U	V	W
43		5	1	Pisgah fau t	HOL	0.2-1	dashed	1/1/1952	X52	34.000
44		3	1	Concord fault	HOI	1-5	dashed	1/1/1960	X42	20.000
45		3	1	Green Valley fault	HOL	>5	solid	5/19/1905		0.000
46		3	1	Green Valley fault	HOL	>5	solid	5/19/1905		0.000
47		3	1	Green Valley fault	HIS	1-5	solid	1/1/1960	X52	24.000
48		3	1	Green Valley fault	HOL	1 5	solid	1/1/1966	X52	24.000
49		2	1	Rodgers Creek fault	HOL	>5	solid	1/1/1953	X42	16.000
50		2	1	Rodgers Creek fault	HOL	>5	solid	1/1/1953	X42	16.000
51		1	1	San Andreas fault	HIS	>5	solid	1/1/1957	X42	10.750
52		1	1	San Andreas fault	HIS	>5	solid	1/1/1957	X42	10.750
53		5	1	Clayton fault	HOL	0.2-1	dashed	1/1/1960	X42	20.000
54	? Uprate Job # 176358-71, Pipe installed 1/1/1951	1	1	Ca averas fault	HIS	>5	solid	1/1/1951	A-7	20.000
55		3	1	Green Valley fault	HIS	1-5	solid	1/1/1954	X42	16.000
56		3	1	Green Valley fault	HOL	1-5	solid	1/1/1954	X42	16.000
57		2	1	East Trace Little Salmon f	HOI	>5	solid	1/1/1958	X42	19.750
58		2	1	Ca averas fault	HOL	>5	solid	1/1/1950	X52	34.000
59		2	1	East Trace Little Salmon f	HOL	>5	solid	1/1/1953	X42	6.625
60		2	1	East Trace Little Salmon f	HOI	>5	solid	1/1/1953	X42	6.625
61		2	1	Ca averas fault	HOL	>5	solid	1/1/1957	X52	34.000
62		1	1	Ca averas fault	HIS	>5	solid	1/1/1957	X52	34.000
63		1	1	Ca averas fault	HIS	>5	solid	1/1/1954	X52	34.000
64		1	1	Ca averas fault	HIS	>5	solid	1/1/1957	X52	34.000
65		2	1	Gar ock fau t, South Branc	HOL	>5	solid	1/1/1950	X52	34.000
66		1	1	Gar ock fau t	HIS	>5	solid	1/1/1950	X52	34.000
67		2	1	Gar ock fau t, South Branc	HOL	>5	solid	1/1/1953	X52	34.000
68		1	1	Gar ock fau t	HIS	>5	solid	1/1/1953	X52	34.000
69		1	1	Rush Ranch fault (Calaveras)	HIS	>5	solid	1/1/1950	X52	34.000
70		1	1	Ca averas fault	HIS	>5	solid	1/1/1950	X52	34.000
71		1	1	Ca averas fault	HIS	>5	solid	1/1/1950	X52	34.000
72		1	1	Ca averas fault	HIS	>5	solid	1/1/1950	X52	34.000
73		2	1	Gar ock fau t	HOL	>5	solid	1/1/1967	GRB	12.750
74	Yes?, 1/1/1990, Job # 4545489	3	1	Concord fault	HIS	1-5	solid	1/1/1990	X60	24.000
75		2	1	Gar ock fau t	HOL	>5	solid	1/1/1956	X42	10.750
76		3	1	Greenville fault	HIS	1 5	solid	12/12/2007	X60	24.000
77		3	1	Greenville fault	HIS	1-5	solid	1/1/1966	X60	36.000
78		3	1	Greenville fault	HIS	1-5	solid	1/1/1966	X60	36.000
79		3	1	Mayfield fault	HOL	1-5	solid	1/1/1961	X52	36.000
80		3	1	White Wolf fault	HIS	1-5	dashed	1/1/1950	X46	34.000
81		5	1	Lavic Lake fault	HOL	0.2-1	dashed	1/1/1950	X52	34.000
82		5	1	Lavic Lake fault	HOI	0.2-1	dashed	1/1/1959	X52	34.000
83		3	1	Mayfield fault	HOL	1-5	solid	1/1/1992	X65	42.000
84		3	1	Mayfield fault	HOL	1-5	solid	1/1/1992	X65	42.000
85		3	1	Mayfield fault	HOI	1-5	solid	1/1/1961	X52	36.000
86		5	1	Rocky Ledge fault	HOL	0.2-1	solid	1/1/1992	X65	42.000
87		5	1	Rocky Ledge fault	HOL	0.2-1	solid	1/1/1961	X52	36.000
88		5	1	Rocky Ledge fault	HOI	0.2-1	solid	1/1/1961	X52	36.000
89		5	1	Rocky Ledge fault	HOL	0.2 1	solid	1/1/1961	X52	36.000
90		5	1	Rocky Ledge fault	HOL	0.2-1	solid	1/1/1961	X52	36.000
91		5	1	Ca ico fault	HOI	0.2-1	solid	1/1/1952	X52	34.000

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	X	Y	Z	AA	AB
43	-9	N5	1093526 647870	3870273.613010	
44	28000	B5	587266 309822	4197897.962670	
45	0		575´23 580270	4226031.498860	
46	0		575´40 001383	4225864.973230	
47	-9	B1	574983 903789	4226473.570240	
48	9	B1	575029 0848´8	4226342.490710	
49	-9	N5	541734 470798	4233843.167620	
50	-9	N5	541889 485442	4233719.446480	
51	1000	N1	627562 748952	408´577.003620	
52	1000	N1	628´72 030875	4080597.243320	
53	28000	B5	592820 257467	4202146.312040	
54	1000	N1	641567 003346	4080889.107930	
55	64000	N1	570892 587061	4229726.458800	
56	64000	N1	574008 484066	4229783.361730	
57	-9	Z51	398891 146937	4506921.091300	
58	-9	N51	635607 136520	4094428.279000	
59	5000	N5	398868 607522	4507862.954´80	
60	5000	N5	398601 540530	4507561.298380	
61	-9	N51	631901 271745	410´622.574930	
62	-9	N51	633031 255455	4099821.057430	
63	-9	Z51	634585 179169	4097356.027510	
64	9	N51	633346 0464´4	4099364.868000	
65	-9	N1	922816 958363	3889286.412500	
66	-9	N1	922861 253061	3889264.730230	
67	9	N1	923´29 111158	3889523.974820	
68	-9	N1	923096 690346	3889657.470660	
69	-9	N1	638542 817277	4089206.979740	
70	9	N1	638805 6982´2	4088865.898980	
71	-9	N1	638735 280790	4088653.740240	
72	-9	N1	638´45 922753	4089779.774´80	
73	9	N5	991831 799403	3939078.018900	
74	-9	Z51	582565 885354	4206652.570670	
75	700	N5	991839 1735´7	3939080.771340	
76	0		611443 868504	41.79520.757020	
77	-9	N1	611592 244708	4179320.385060	
78	-9	N1	611588 468261	4179627.889410	
79	-9	N5	623024 377905	4579517.101390	
80	-9	N1	982634 810571	3808821.404670	
81	-9	N5	1104045 373830	3858657.579´40	
82	-9	N5	1104018 778480	3858726.734450	
83	-9	N5	623028 702275	4579539.745650	
84	-9	N5	625515 023831	4584096.141680	
85	-9	N5	625524 953779	4583894.529040	
86	-9	N5	617045 474150	4534775.680370	
87	-9	N5	617937 075553	4537C39.123´50	
88	-9	N5	617671 302952	4536359.909470	
89	9	N5	617053 1380´9	4534768.440360	
90	-9	N5	617232 641193	4535230.150230	
91	-9	N5	1080495 737230	3872072.483260	

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	A	B	C	D	E	F	G	H	I	J	K	L	M
92	205100927	112	0	[redacted]	G300S	300B	160.00	130.41	131.37	461.37	66.63	26.65	2.50
93	205100927	111	0		G300S	300B	160.00	130.41	131.37	461.37	66.63	26.65	2.50
94	205123033	107	0		G300S	300A	149.40	127.93	129.03	595.26	66.63	26.65	2.50
95	205123034	106	0		G300S	300A	149.70	129.03	130.36	627.9	66.63	26.65	2.50
96	205123035	110	0		G300S	300A	152.10	130.43	130.97	547.96	66.63	26.65	2.50
97	205123035	109	0		G300S	300A	152.10	130.43	130.97	547.96	66.63	26.65	2.50
98	205123066	108	0		G300S	300B	157.40	127.50	129.66	595.26	66.63	26.65	2.50
99	205101387	113	0		G300S	313	102.00	4.02	7.89	630.67	60.15	24.06	2.50
100	205098299	114	0		G300S	313	119.00	33.29	34.34	997	52.62	30.95	1.70
101	205098625	115	0		GBJR	401	218.00	77.00	77.78	287.38	47.38	18.95	2.50
102	205098647	117	0		GBJR	401	217.00	75.10	77.00	287.38	47.38	18.95	2.50
103	205098647	116	0		GBJR	401	217.00	75.10	77.00	287.38	47.38	18.95	2.50
104	205102879	118	0		DKRN	372	101.00	0.00	3.70	430.72	43.85	17.54	2.50
105	205095486	120	0		GTRA	131	135.00	27.05	28.00	423.42	43.32	14.44	3.00
106	205095496	119	0		GTRA	131	135.00	27.05	28.00	423.42	43.32	14.44	3.00
107	205083078	123	0		GHOL	301A	108.00	5.00	8.00	251.16	39.30	13.10	3.00
108	205083078	122	0		GHOL	301A	108.00	5.00	8.00	251.16	39.30	13.10	3.00
109	205083076	121	0		GHOI	301A	108.00	5.00	8.00	251.16	39.30	13.10	3.00
110	205098298	126	0		G300S	313	118.00	32.00	33.29	611.28	30.95	30.95	1.00
111	205098289	125	0		G300S	313	119.00	33.29	34.34	997	30.95	30.95	1.00
112	205098299	124	0		G300S	313	119.00	33.29	34.34	997	30.95	30.95	1.00
113	205091513	127	0		DKRN	375A	103.00	0.00	3.60	141.89	30.87	8.82	3.50
114	205103200	128	0		G300S	300B	205.00	175.17	180.10	714.6	24.15	24.15	1.00
115	205101385	129	0		G300S	313	105.00	12.63	16.00	774.92	24.06	24.06	1.00
116	205100840	130	0		G300S	314	141.00	40.29	43.14	473.16	17.87	17.87	1.00
117	205114832	2	1		GMIL	303	136.20	40.95	41.09	645.08	1940.60	62.60	31.00
118	205114832	1	1		GMII	303	136.20	40.95	41.09	645.08	1940.60	62.60	31.00
119	205114827	4	1		GMIL	107	157.20	29.65	29.81	556.1	1893.48	61.08	31.00
120	205114827	3	1		GMIL	107	157.20	29.65	29.81	556.1	1893.48	61.08	31.00
121	205137083	9	1		DEBY	SP3	155.70	197.07	197.45	589.82	1510.63	48.73	31.00
122	205137083	8	1		DEBY	SP3	155.70	197.07	197.45	589.82	1510.63	48.73	31.00
123	205137083	7	1		DEBY	SP3	155.70	197.07	197.45	589.82	1510.63	48.73	31.00
124	205123982	10	1		GMIL	131	0.00	0.00	0.00	536.76	1408.64	45.44	31.00
125	205095475	39	1		GTRA	131	0.00	0.00	0.00	181.03	329.98	47.14	7.00
126	205083099	43	1		GHOI	301C	111.30	11.05	11.23	78.09	296.73	14.13	21.00
127	205083108	45	1		GHOL	301A	110.60	11.27	11.39	111.52	276.15	13.15	21.00
128	205132514	75	1		GTRA	303	128.60	34.65	34.40	111.64	155.05	22.15	7.00
129	205114946	92	1		DSAC	210A	122.40	20.24	20.80	239.28	87.16	21.79	4.00
130	205114946	91	1		DSAC	210A	122.40	20.24	20.80	239.28	87.16	21.79	4.00
131	205114352	93	1		GTRA	107	0.00	0.00	0.00	76.79	66.17	12.31	7.00

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	N	O	P	Q	R	S	T	U	V	W
92	?, Built 1/1/1952, Lpcate Job #7036664-02, 6/18/2001	5	1	Ca ico fault	HOL	0.2-1	solid	1/1/1952	X52	34.000
93	?, Built 1/1/1952, Lpcate Job #7036664-02, 6/18/2001	5	1	Ca ico fault	HOL	0.2-1	solid	1/1/1952	X52	34.000
94		4	1	Newberry fracture zone	HIS	0.2 1	solid	1/1/1950	X52	34.000
95		5	1	Ca ico fault	HOL	0.2-1	solid	1/1/1950	X52	34.000
96	?, Built 1/1/1950, Lpcate Job #7036664-02, 6/29/2001	5	1	Ca ico fault	HOL	0.2-1	solid	1/1/1950	X52	34.000
97	?, Built 1/1/1950, Lpcate Job #7036664-02, 6/29/2001	5	1	Ca ico fault	HOL	0.2 1	solid	1/1/1950	X52	34.000
98		4	1	Newberry fracture zone	HIS	0.2-1	solid	1/1/1952	X52	34.000
99		5	1	Camp Rock fault	HOL	0.2-1	solid	1/1/1957	X42	10.750
100		5	1	White Mounta ns Thrust	HOL	0.2 1	dashed	1/1/1957	X42	8.625
101		5	1	Rocky Ledge fault	HOL	0.2-1	solid	1/1/1992	X65	42.000
102		5	1	Rocky Ledge fault	HOL	0.2-1	solid	1/1/1992	X65	42.000
103		5	1	Rocky Ledge fault	HOL	0.2-1	solid	1/1/1992	X65	42.000
104		5	1	Lillie Lake fault	HOL	0.2-1	solid	1/1/1958	X42	8.625
105		3	1	Greenville fault	HIS	1-5	solid	1/1/1944	GRB	24.000
106		3	1	Greenville fault	HIS	1-5	solid	1/1/1944	GRB	24.000
107	178359 71	3	1	Flint Hills West fault	HOL	1-5	solid	1/1/1951	A-7	20.000
108	178359-71	3	1	Flint Hills West fault	HOL	1-5	solid	1/1/1951	A-7	20.000
109	178359-71	3	1	Flint Hills West fault	HOL	1-5	solid	1/1/1951	A-7	20.000
110		5	1	Ile endale fault	HOL	0.2-1	dashed	1/1/1957	X42	8.625
111		5	1	He endale fault	HOL	0.2-1	dashed	1/1/1957	X42	8.625
112		5	1	He endale fault	HOL	0.2-1	dashed	1/1/1957	X42	8.625
113		3	1	White Wolf fault	HIS	1 5	solid	1/1/1992	X42	8.625
114		5	1	South Lockhart fault	HOL	0.2-1	solid	1/1/1957	X52	34.000
115		5	1	Lenwood fault	HOL	0.2-1	solid	1/1/1957	X42	10.750
116		5	1	Ile endale fault	HOL	0.2 1	solid	1/1/1965	X42	8.625
117	F-F-S Review 2008, Job #: 407548	2	1	Hayward fault	HOL	>5	dashed	1/1/1963	X52	36.000
118	F-F-S Review 2008, Job #: 407548	1	1	Hayward fault	HIS	>5	solid	1/1/1963	X52	36.000
119	F-F-S Review 2008, Job #: 407548	2	1	Hayward fault	HOL	>5	dashed	1/1/1984	X60	36.000
120	F-F-S Review 2008, Job #: 407548	1	1	Hayward fault	HIS	>5	solid	1/1/1984	X60	36.000
121	Yes, 1/1/1994, Job # 4224457	2	1	Hayward fault	HOL	>5	dashed	1/1/1994	X60	24.000
122	Yes, 1/1/1994, Job # 4224457	1	1	Hayward fault	HIS	>5	solid	1/1/1994	X60	24.000
123	Yes, 1/1/1994, Job # 4224457	1	1	Hayward fault	HIS	>5	solid	1/1/1994	X60	24.000
124	Yes, 9/7/2004, Job # 7045166	1	1	Hayward fault	HIS	>5	solid		X60	24.000
125	Yes, 2/12/03, Job # 7036856	2	1	Ca averas fault	HOL	>5	solid dash		X60	24.000
126	Yes, 6/10/2001 Job #: 7029905-01	1	1	San Andreas fault	HIS	>5	solid	6/12/2001	X60	30.000
127	Yes, 2001 Uprate Job #: 7029905-01, Pipe Installed 1/1/1967,	1	1	San Andreas fault	HIS	>5	solid	1/1/1967	X52	30.000
128	Yes, 10/19/2006, Job # 7047685	2	1	Ca averas fault	HOL	>5	dashed	10/19/2006	X65	36.000
129	Yes, 1/13/2004, Job # 7033657	3	1	Green Valley fault	HIS	1-5	solid	1/13/2004	X52	24.000
130	Yes, 1/13/2004, Job # 7033657	3	1	Green Valley fault	HOL	1 5	solid	1/13/2004	X52	24.000
131	Yes, 11/24/2003, Job # 7045166	2	1	Ca averas fault	HOI	>5	solid dashed		X60	24.000

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	X	Y	Z	AA	AB
92	-9	N5	1079862.085110	3872198.320560	
93	-9	N5	1079526.360090	3872218.686730	
94	9	N5	1083186.340230	3872853.999730	
95	-9	Z51	1080504.238500	3872058.524580	
96	-9	N5	1079669.060080	3872186.310030	
97	9	N5	1079532.885360	3872207.374120	
98	-9	N5	1083167.870060	3872719.428060	
99	20000	N5	1063497.580060	3825783.401140	
100	20000	N5	1065436.625260	3819354.548060	
101	-9	N5	617228.850268	4535245.578080	
102	-9	N5	617931.341422	4537049.100680	
103	-9	N5	617664.886345	4536367.610750	
104	200	N5	992363.783791	3955701.475840	
105	-9	N1	611718.385726	4179822.823710	
106	-9	N1	611761.202003	4179964.553520	
107	-9	N1	638802.827382	4087753.110830	
108	-9	N1	638096.759341	4082025.959260	
109	-9	N1	638255.681388	4087864.542580	
110	20000	N5	1065714.215680	3820457.192500	
111	20000	N5	1065712.035830	3820286.538030	
112	20000	N5	1065727.411680	3820132.992710	
113	100	N1	960617.324540	3994064.529570	
114	-9	N5	1063847.389850	3882651.473820	
115	20000	N5	1065084.398970	3850000.545360	
116	2000	N5	1039214.777030	3845879.740960	
117	-9	B5	593606.636159	4152838.579360	
118	-9	B5	593708.394083	4152877.994770	
119	9	A5	593603.718124	4152842.678260	
120	-9	A5	593705.286250	4152882.032810	
121	2000	B5	557854.309280	4202702.009780	
122	2000	B5	557913.511173	4202788.013440	
123	2000	B5	557958.389634	4202809.630170	
124	-9	B1	592799.635115	4154117.237730	
125	-9	I1	599840.079178	4130691.451630	
126	-9	N1	628487.974780	4080757.833390	
127	9	N1	628479.586504	4080764.135060	
128	0	N9	600174.199483	4159629.935140	
129	0	N1	573698.577726	4229714.402210	
130	0	N1	574009.954596	4229770.736620	
131	-9	N1	600087.727707	4159821.518590	

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