GL04164_29

WELL	#	DATE	COMMENTS	P(PSIG)	QUARTZ ICP	QUARTZ COLOR
44-7	2	20-Oct-83		290	194	194
44-7	2	09-Feb-84		317	ERR	194
44-7	2	16-Feb-84			194	194
44-7	2	20-Oct-83		305	193	193
44-7	2	01-Jan-83			193	193
44-7	2	17-Feb-83			ERR	201
44-7	2	17-Feb-83		287	200	201
44-7	2	29-Jun-83		322	203	202
44-7	2	24-May-79	x	290	191	188
44-7	2	14-Nov-79	x kill contamination		194	199
44-7A	1	07-Aug-85	new depth of 3100-3800 ft	295	ERR	188
44-7A	1	07-Aug-85		295	ERR	188
44-7A	1	30-Jan-86		300	ERR	187
44-7A	1	18-Jun-84		305	ERR	192
44-7A	1	17-Feb-83			ERR	200
44-7A	1	24-May-79	x	270	190	201
44-7B	3	29-Jun-83	x	295	207	207
44-7B	3	08-Mar-83	x	290	211	205
44B-7	3	06-Dec-79	x		187	204
48-7	5	08-Nov-79	kill contamination?		180	188
48-7	5	07-Jan-83		300	180	188
48-7	5	01-Aug-78	x	280	204	186
48-7	5	24-Jan-85		290	190	189
48-7A	4	23-May-96	Mg is from another analysis	310	ERR	187
48-7A	4	03-Feb-86	Mg is from another analysis	345	ERR	188
48-7A	4	13-Jul-84		300	ERR	187
48-7A	4	17-Feb-83		275	201	193
48-7A	4	17-Feb-83			ERR	193
48-7A	4	13-Jul-84		300	ERR	191
48-7A	4	08-Nov-79	x		179	191
48-7A	4	07-Jan-80			ERR	191
61-7	8	28-Jan-86		275	ERR	194
61-7	8	30-May-85		278	ERR	193
61-7	8	04-Jun-84	x	270	ERR	196
63-7	7	05-Jul-84	x	267	ERR	187
63-7	7	23-May-85		310	ERR	187
63-7	7	28-Jan-86		265	ERR	187
84-7I	6.0	29-May-84	injection well	365	188	188
84-7I	6.0	29-May-84	injection well	285	194	194
88-7	6	14-Jan-86		300	ERR	190

							liquid species in mg/l				
Na-K-Ca B=4/3	Na-K-Ca B=1/3	Na-K (Truesdel	Na-K (Fournier	T(C)	T(F)	FLOW(gpm)	Na	K	Ca	Mg	Sr
333	215	160	195	183	362	596	2250	171	19	0.50	3.73
294	198	138	176	177	350	529	2344	140	27	0.70	
292	202	146	183	-18			2135	140	27	0.70	3.10
312	212	160	195	182	360	653	2383	182	30	0.69	6.90
312	212	160	195	-18			2383	182	30	0.69	6.90
317	223	182	212	-18			2113	200	30	0.83	8.00
317	223	182	212	179	355	416	2113	200	30	0.83	8.00
321	218	169	202	182	360	585	2281	190	27	0.70	5.64
ERR	ERR	ERR	ERR	178	353	600	3395		47	1.20	10.00
345	216	158	193	-18			4040	300	49	1.30	10.00
308	213	164	198	168	335	810	2367	189	34	0.92	
308	213	164	198	168	335	810	2367	189	34		5.95
316	216	166	200	169	336	833	2370	192	30		4.87
341	219	165	198	181	357	540	2428	194	21	0.42	
338	220	167	200	-18			2394	196	22	0.40	6.30
ERR	ERR	ERR	ERR	183	361	600	2859		20	0.30	4.40
361	226	171	204	183	362	563	2105	180	13	0.48	5.12
344	226	178	210	182	360	550	2289	210	22	1.10	7.00
305	208	154	190	-18			3660	261	72	2.40	21.00
296	217	176	208	-18			3025	272	81	2.20	20.00
296	217	176	208	178	352	940	3035	272	81	2.20	20.00
334	246	226	247	178	352	647	2915	405	78	2.90	32.80
298	216	174	206	171	340	421	3125	274	80	4.45	21.20
315	214	164	198	178	353	547	2353	186	29	0.80	7.26
313	214	164	198	176	348	572	2361	187	30	0.80	7.20
310	210	156	191	177	350	608	2398	175	29	0.42	6.30
329	216	162	196	177	350	540	2324	180	22	0.60	10.00
329	216	162	196	-18			2324	180	22	0.60	10.00
315	204	143	181	177	350	491	2778	176	29	0.52	7.31
331	218	166	200	-18			2715	220	31	1.00	7.00
331	218	166	200	-18			2715	220	31	1.00	7.00
277	223	198	226	176	348	171	770	85	10		2.35
268	223	201	228	178	352	118	785	89	13		2.46
261	204	162	197	177	350	331	1282	100	22	0.51	2.52
250	208	177	208	177	350	293	1077	97	25	0.44	2.79
260	216	190	219	178	353	218	1175	120	29		3.91
279	218	186	216	177	350	171	1178	116	19		3.10
276	201	150	187	177	350	540	844	58	6	0.13	1.50
276	203	156	191	174	345	641	988	72	9	0.10	1.67
273	204	159	194	175	347	371	1417	107	21		2.71

				COLOR	ICP		TOTAL	Quenched				QUENCHED
Li	B	As	Al	SiO2a	SiO2b	HCO3	Co2 t	H2S	SO4	Cl	F	NH3
11.50				244	244	452		0.80	100	3510		13
				244		324		1.50	90	3516		16
7.40				244	244	324		1.50	90	3516		16
15.40				240	240	372		0.90	100	3620		15
15.40				240	240	372		0.90	100	3620		15
16.00				268		350		0.90	90	3645		18
16.00				268	264	350		0.90	90	3645		18
16.60				274	274	368		1.00	100	3649		14
12.00	9.80	0.40	0.10	225	235	385	1807.00	1.60	68	4596	2.70	17
12.00	9.00	1.00		260	244	390			84	6271	2.50	20
				225		384		0.20	68	3551		13
14.00				225		384		0.20	68	3551		13
13.77				220		416		0.50	68	3579		12
				237		447		1.00	95	3643		16
14.80				264		436		0.80	89	3698		18
9.20	9.30	0.40	0.10	270	231	509	1695.00	1.60	79	3861	3.20	14
12.50				291	291	466		1.00	95	3567		15
15.00				285	306	454		1.00	85	3650		13
12.00	9.30	0.30		280	223	339			73	5660	3.30	23
11.00	6.90	0.40		225	201	316			84	4847	2.40	19
11.00				225	201	316		0.70	84	4847		19
16.90	8.90	0.60		218	278	305		0.70	80	4852	2.20	16
10.10				229	230	297		1.00	88	4882		15
7.32				222		379		0.60	80	3646		15
7.30				225		377		0.70	76	3658		14
6.80	8.57			223		392		0.90	80	3686		14
16.00				240	268	400		0.80	90	3822		16
16.00				240		400		0.80	90	3822		16
8.00	7.80			235		406		0.90	90	3829		15
9.00	7.30	0.30		235	197	454			84	4075	2.50	17
9.00				235		454		1.50	84	4075		17
2.87				245		338		1.00	108	1160		10
3.00				240		351		0.50	110	1185		11
4.27	7.89			251		368		0.50	130	1778		11
3.78	9.38			220		345		0.70	140	1617		12
3.24				220		314		0.60	108	1814		9
3.00				222		304		1.00	104	1820		11
2.81				225	225	465		0.90	165	1035		6
2.02				244	244	435		0.40	160	1218		6
3.82				230		300		1.50	113	2149		12

		CALC.				CH. BAL	ml/l	HYDROUS	HYDROUS			
pH	TDS	TDS	TDS/CALC	SUM(+)	SUM(-)	DIF/SUM	gas/liq	TOTAL	CO2	AR	O2	N2
5.55	3510	6537	0.54	105.74	108.49	-0.01		100.00	72.23			[illegible].11
5.30	6760	6525	1.04	107.88	106.36	0.01	0	97.15	64.53	0.10		[illegible].10
5.20	6760	6326	1.07	99.93	106.36	-0.03		99.30	65.89		0.00	[illegible].48
5.35	3620	6765	0.54	113.12	110.29	0.01		100.00	76.95			7.88
5.35	6940	6765	1.03	113.12	110.29	0.01		98.17	68.51		0.00	[illegible].03
5.30	7784	6547	1.19	102.13	110.42	-0.04		95.51	72.21			[illegible].96
5.30	7784	6547	1.19	102.13	110.42	-0.04		97.13	73.44			[illegible].11
5.29	6970	6729	1.04	108.82	111.04	-0.01		99.99	74.89			7.67
5.50	8618	8561	1.01	153.07	137.50	0.05	235	99.80	72.90	0.09	0.06	10.60
5.26	10255	11236	0.91	189.11	185.15	0.01	70	99.86	69.20	0.12		[illegible].50
5.80	6788	6628	1.02	110.33	107.87	0.01	0	97.03	67.86	0.10		[illegible].37
5.80	6788	6647	1.02	112.40	107.87	0.02		100.00	69.94			[illegible].73
5.52	6616	6687	0.99	112.30	109.18	0.01		100.01	69.58			[illegible].21
5.35	6840	6843	1.00	112.59	112.06	.00	0	96.66	64.62	0.13		10.25
5.50	6872	6904	1.00	113.61	113.31	.00		92.66	66.61			11.00
5.80	7322	7372	0.99	127.63	119.06	0.03	187	82.73	69.50	0.11	0.35	11.20
5.36	6760	6503	1.04	99.65	110.23	-0.05		96.74	74.79			4.56
5.50	6800	6792	1.00	109.21	112.16	-0.01		100.00	63.91			[illegible].88
5.44	10092	10225	0.99	173.22	166.90	0.02		100.23	74.00	0.10		[illegible].40
5.35	8840	8736	1.01	145.91	143.77	0.01	150	100.10	68.50	0.17		[illegible].60
5.35	8840	8736	1.01	146.35	143.64	0.01		99.82	68.50			[illegible].60
5.87	9292	8765	1.06	145.38	143.64	0.01	170	100.03	67.50	0.19	0.03	[illegible].70
5.62	9220	8863	1.04	150.10	144.40	0.02		98.20	59.41			11.19
5.76	7020	6722	1.04	110.73	110.72	.00		96.59	71.35			[illegible].88
5.66	6976	6742	1.03	111.10	110.94	.00		96.62	68.79			[illegible].34
5.68	7050	6810	1.04	112.21	112.06	.00		99.78	75.20	0.10		[illegible].65
5.17	7160	6906	1.04	110.31	116.23	-0.03		98.73	63.10			[illegible].75
5.17	7160	6906	1.04	110.31	116.23	-0.03		98.73	63.10			[illegible].75
5.42	7344	7365	1.00	129.03	116.53	0.05		100.00	62.70	0.14		11.07
5.15	7630	7615	1.00	127.80	124.26	0.01	160	99.91	63.30	0.17		10.40
5.15	7630	7605	1.00	127.80	124.13	0.01		99.65	63.30			10.40
5.75	2648	2553	1.04	37.22	40.51	-0.04		100.13	55.31			21.23
5.70	2524	2604	0.97	38.20	41.47	-0.04		95.75	51.94			2[illegible].11
5.65	3755	3764	1.00	60.80	58.89	0.02		97.25	68.53			14.02
5.60	3535	3366	1.05	51.92	54.18	-0.02		96.99	52.37	0.30		24.10
5.79	3756	3631	1.03	56.71	58.56	-0.02		95.52	52.05			2[illegible].46
5.65	3828	3618	1.06	56.30	58.48	-0.02		95.94	52.15			20.33
5.85	2515	2571	0.98	39.30	40.25	-0.01		99.77	36.02			51.70
5.78	2820	2914	0.97	45.96	44.82	0.01		99.68	50.06			37.08
5.80	4032	4194	0.96	66.74	67.88	-0.01		97.82	44.91			37.31

MOLE PERCENT

CO	HE	H2	CH4	C2H6
			19.60	0.06
			24.22	0.20
			24.73	0.20
			15.06	0.11
			23.53	0.10
			14.22	0.12
			14.46	0.12
			17.35	0.08
		0.25	15.90	
		0.20	23.70	0.14
			20.54	0.16
			21.17	0.16
			22.00	0.22
			21.50	0.16
			14.89	0.16
		0.27	1.30	
			17.30	0.09
			26.05	0.16
		0.20	20.40	0.13
		0.11	22.60	0.12
			22.60	0.12
0.80		0.11	21.70	
			27.41	0.19
			15.22	0.14
			18.35	0.14
		0.14	17.49	0.20
			25.72	0.16
			25.72	0.16
		0.23	25.62	0.24
		0.09	25.80	0.15
			25.80	0.15
			23.45	0.14
			21.56	0.14
			14.50	0.20
			20.02	0.20
			19.85	0.16
			23.34	0.12
			11.85	0.20
			12.33	0.21
			15.50	0.10

WELL	#
88-7	6

DATE	COMMENTS	P(PSIG)	QUARTZ ICP	QUARTZ COLOR	Na-K-Ca B=4/3	Na-K-Ca B=1/3	Na-K (Truesdel	Na-K (Fournier	T(C)
21-Jan-85	x	305	ERR	109	280	208	163	197	176

		liquid species in mg/l											
T(F)	FLOW(gpm)	Na	K	Ca	Mg	Sr	Li	B	As	Al	COLOR SiO2a	ICP SiO2b	HCO3
348	603	1438	113	20	0.30	2.64	4.11	6.94			229		308

TOTAL Co2 t	Quenched H2S	SO4	Cl	F	QUENCHED NH3	pH	TDS	CALC. TDS	TDS/CALC	SUM(+)	SUM(-)	CH. BAL DIF/SUM	ml/l gas/liq	HYDROUS TOTAL
	1.50	136	2193		12	5.85	4180	4298	0.97	67.82	69.74	-0.01		94.72

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                               HYDROUS       MOLE      PERCENT
--------------------------------------       -------------------------------------------------
      CO2         AR         O2       N2                CO         HE         H2        CH4       C2H6
--------------------------------------       -------------------------------------------------
    42.62                          37.10                                               14.86       0.14
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