

ANALYTICAL REPORT

DATE 5/24/83  
 ANALYST TC  
 TYPE SAMPLES GEOTHERMAL WATER

REQ. NO. 9193 JOB NO. \_\_\_\_\_  
 PROJECT 566  
 REQUESTED BY J. DEYMONAZ

SAMPLE	Na	K	Ca	Mg	SiO <sub>2</sub>	SAMPLE	Li	B	SO <sub>4</sub>	Cl	F
	PPM	PPM	PPM	PPM	PPM		PPM	PPM	PPM	PPM	PPM
01 W-14167	27	6.9	18	3	49	31 W-	.1	<.2	12	9.0	1.0
02 168	29	4.1	24	4	41	32	.1	<.2	14	11	.5
03 169	69	6.0	15	6	42	33	.2	.5	42	21	1.0
04 175	16	2.5	30	6	35	34	<.1	<.2	17	10	.4
05 176	61	7.9	31	13	24	35	.1	.4	52	10	1.8
06 177	14	5.7	35	12	18	36	<.1	<.2	43	11	.5
07 178	13	4.0	26	8	16	37	<.1	<.2	19	2.4	.4
08 179	12	4.8	28	9	16	38	<.1	<.2	19	2.8	.4
09 207	23	4.3	16	3	70	39	<.1	.2	13	4.2	.3
10 W-14208	24	6.5	14	2	38	40 W-	<.1	<.2	<10	6.4	.6
11 209	5.5	1.1	14	2	30	41	<.1	<.2	<10	2.2	.3
12 234	34	7.1	36	14	22	42	<.1	<.2	86	9.0	1.0
13 235	10	6.2	52	10	38	43	<.1	<.2	10	2.6	.3
14 236	34	5.7	21	7	22	44	<.1	<.2	13	3.0	1.3
15 237	41	9.0	44	35	27	45	.1	<.2	180	14	1.2
16 238	57	9.4	14	4	56	46	.1	.3	36	8.8	1.3
17 239	41	7.1	21	5	36	47	<.1	<.2	45	6.0	1.3
18 240	75	6.2	24	5	41	48	.2	4.2	88	24	.6
19 241	65	2.4	11	<.5	32	49	.2	.2	96	17	.3
20 W-14242	71	7.1	47	10	43	50 W-	.1	.7	78	63	.3
21 243	65	4.4	69	51	23	51	<.1	.7	290	75	.2
22 244	290	59	57	15	53	52	.9	.9	120	42	.7
23 245	33	2.2	41	15	32	53	<.1	.4	47	43	.2
24 246	34	5.1	17	3	72	54	<.1	.2	14	4.6	.3
25 247	15	3.6	15	2	60	55	<.1	<.2	40	2.0	.4
26 393	260	21	30	7	120	56	1.1	2.4	110	62	3.9
27 394	52	6.1	21	2	89	57	.2	.6	15	3.4	.8
28						58					
29						59					
30						60					

METHODS:

- Determination- Na,K,Ca,Mg,SiO<sub>2</sub>,Li: AA  
 B: CARMINIC ACID COLORIMETRIC  
 F: SPECIFIC ION ELECTRODE  
 Cl: MERCURIMETRIC TITRATION  
 SO<sub>4</sub>: TURBIDIMETRIC

REMARKS:

NOTE: Mail Original to  
 AMAX Exploration, Inc.,  
 P. O. Box C  
 Denver, Colorado 80226

Copies to: DENVER-LAB

1. J. DEYMONAZ At GEOTHERMAL
2. H.D. PILKINGTON At "
3. H.J. OLSON At "
4. E.J. ROWE \_\_\_\_\_
5. \_\_\_\_\_

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 ANALYST T.C.  
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SAMPLE	Cu PPB	Mo PPB	Cond. microhm-cm	SAMPLE	pH	CO <sub>3</sub> PPM	HCO <sub>3</sub> PPM		
								01	W14167
02	168	<2	<2			32	7.0	0	98
03	169	<2	<2			33	7.1	0	165
04	175	<2	<2			34	7.1	0	92
05	176	<2	12			35	7.6	0	176
06	177	<2	12			36	7.6	0	94
07	178	<2	15			37	7.6	0	94
08	179	<2	20			38	7.6	0	92
09	207	<2	<2			39	7.6	0	90
10	W14208	<2	7			40	7.4	0	74
11	209	25	<2			41	7.5	0	32
12	234	<2	36			42	8.0	0	112
13	235	<2	<2			43	7.9	0	202
14	236	<2	20			44	8.0	0	120
15	237	<2	15			45	8.3	0	244
16	238	<2	30			46	8.2	0	118
17	239	<2	30			47	8.0	0	114
18	240	10	3			48	8.0	0	140
19	241	5	<2			49	7.7	0	82
20	W14242	<2	<2			50	7.8	0	162
21	243	<2	<2			51	7.5	0	260
22	244	<2	2			52	7.5	0	104
23	245	2	<2			53	8.0	0	190
24	246	<2	<2			54	8.0	0	100
25	247	<2	<2			55	8.0	0	84
26	393	<2	15			56	7.5	0	444
27	394	<2	2			57	7.8	0	92
28						58			
29						59			
30						60			

METHODS: Digestion-

Sample Weight-

Determination- Cu, Mo - Colorimetric

pH - Electrometric

REMARKS: CONDUCTIVITY CO<sub>3</sub>, HCO<sub>3</sub> - Electrometric Titration

MEASUREMENTS WERE Conductivity - Wheatstone Bridge

NOT RUN ON THIS GROUP OF SAMPLES BECAUSE OUR CONDUCTIVITY METER HAS BEEN SENT OUT TO THE FIELD.

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- 5.