

ANALYTICAL REPORT

DATE 6/21/83

REQ. NO. 9192 JOB NO. \_\_\_\_\_

ANALYST T.C.

PROJECT 33002

TYPE SAMPLES GEOTHERMAL WATER

REQUESTED BY BILL HUNTSMAN

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- 14249	29	3.0	13	1.3	71	31 W-	<.1	.2	13	4.6	.3
02 50	350	24	120	75	44	32	1.0	2.5	250	900	.8
03 51	140	4.5	210	100	29	33	<.1	1.3	880	120	.3
04 52	83	7.8	5.4	2.2	61	34	<.1	.5	110	44	.3
05 53	31	2.5	15	4.7	30	35	<.1	.3	28	26	.2
06 54	69	5.2	5.9	1.1	37	36	.1	.6	62	36	.3
07 55	700	25	2.4	.7	51	37	.2	7.3	450	500	2.5
08 56	370	14	4.1	.7	53	38	.1	6.3	270	260	2.4
09 57	69	17	15	2.8	79	39	.2	.5	87	25	1.3
10 W- 14780	5000	430	380	160	<10	40 W-	2.9	12	<10	11,000	1.0
11 81	27,000	4400	1200	1100	11	41	66	43	580	56,000	.2
12 82	7800	800	14	1200	12	42	32	10	440	14,000	.5
13 83	100	9.5	50	22	45	43	<.1	.7	150	220	.6
14 84	9300	960	370	61	190	44	<.1	15	410	18,000	4.2
15 85	85	5.0	150	170	23	45	<.1	1.0	950	140	.2
16 86	140	11	10	4.5	54	46	.2	.7	100	44	.9
17 87	300	10	9.1	3.3	46	47	1.7	4	250	76	1.9
18						48					
19						49					
20 W-						50 W-					
21						51					
22						52					
23						53					
24						54					
25						55					
26						56					
27						57					
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.E. DEYMONAZ At GEOTHERMAL
2. H.D. PILKINGTON At \_\_\_\_\_
3. E.J. ROWE At AMAX-DENVER
4. GEOTHERMAL OFFICE \_\_\_\_\_
5. \_\_\_\_\_

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SAMPLE	Cu	Mo	Cond. µmhos/cm	SAMPLE	pH	CO <sub>3</sub>	HCO <sub>3</sub>
	PPB	PPB				PPM	PPM
01 <u>W14249</u>	<2	15	N. R.	31	7.2	0	94
02 <u>50</u>	6	10		32	7.4	0	140
03 <u>51</u>	<2	15		33	7.3	0	390
04 <u>52</u>	<2	10		34	6.8	0	110
05 <u>53</u>	<2	15		35	6.4	0	58
06 <u>54</u>	<2	15		36	6.5	0	92
07 <u>55</u>	<2	30		37	8.9	72	400
08 <u>56</u>	<2	80		38	8.4	20	200
09 <u>57</u>	<2	20		39	7.1	0	130
10 <u>W14780</u>	<2	2		40	4.6	0	8
11 <u>81</u>	2	2		41	3.4	0	330
12 <u>82</u>	15	25		42	9.0	130	200
13 <u>83</u>	<2	15		43	7.2	0	100
14 <u>84</u>	230	70		44	6.4	0	410
15 <u>85</u>	<2	2		45	7.2	0	260
16 <u>86</u>	<2	25		46	7.3	0	170
17 <u>87</u>	<2	200		47	8.2	0	330
18				48			
19				49			
20				50			
21				51			
22				52			
23				53			
24				54			
25				55			
26				56			
27				57			
28				58			
29				59			
30			↓	60			

METHODS: Digestion- Sample Weight-

Determination- Cu, Mo - Colorimetric  
 pH - Electrometric

REMARKS: CO<sub>3</sub>, HCO<sub>3</sub> - Electrometric Titration  
 Conductivity - Wheatstone Bridge

CONDUCTIVITY TEST RESULTS ARE NOT INCLUDED DUE TO THE FACT THAT OUR ANALYTICAL INSTRUMENT HAS BEEN SENT OUT TO THE FIELD.

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