

ANALYTICAL REPORT

DATE 5/6/81

REQ. NO. 12413 JOB NO. _____

ANALYST S. Hoatson

PROJECT 864

TYPE SAMPLES GEOTHERMAL WATER

REQUESTED BY A. E. Shenker

Gilliland
45
Ariz

SAMPLE	Na	K	Ca	Mg	SiO ₂ *	SAMPLE	Li	B *	SO ₄ *	Cl*	F
	PPM	PPM	PPM	PPM	PPM		PPM	PPM	PPM	PPM	PPM
01 W-14995	85.	14.	8.4	20.	17.	31 W-14995	0.3	0.8	64.	29.	2.9
02 96	69.	11.	19.	16.	25.	32 96	0.2	0.5	75.	34.	1.7
03 97	58.	12.	34.	29.	35.	33 97	0.1	0.4	86.	45.	1.0
04 W14231	440.	13.	18.	1.1	100.	34 W14231	1.0	0.5	170.	530.	11.
05						35					
06						36					
07						37					
08						38					
09						39					
10 W-						40 W-					
11						41					
12						42					
13						43					
14						44					
15						45					
16						46					
17						47					
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					

Sample W14995 was acidified prior to analysis. @ W. Cedar.

METHODS: Digestion-

Sample Weight-

Na, K, Ca, Mg, SiO₂, Li: AA

Determination- B: CARMINIC ACID COLORIMETRIC

F: SPECIFIC ION ELECTRODE

Cl: MERCURIMETRIC TITRATION

SO₄: TURBIDIMETRIC

REMARKS:

** W1 45.00 millipore filter for, SiO₂, B, SO₄, Cl,*

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

Copies to: John Deymonaz @ Geothermal
1. A. E. Shenker At Geothermal
2. Geothermal Office At _____
3. E. J. Rowe At Denver Lab
4. S. C. Hoatson Denver Lab

LAB AMAX - DENVER

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 ANALYST S. Hoatson
 TYPE SAMPLES GEOHERMAL WATER

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SAMPLE	Cu	Mo	SAMPLE	pH	CO ₃ [*]	HCO ₃ [*]	
	PPB	PPB			PPM	PPM	
01			31	W14995	8.7	12.	182.
02			32	96	8.2	0.	158
03			33	97	8.2	0.	156
04			34	W14231	8.0	0.	168
05			35				
06			36				
07			37				
08			38				
09			39				
10			40				
11			41				
12			42				
13			43				
14			44				
15			45				
16			46				
17			47				
18			48				
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25			55				
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27			57				
28			58				
29			59				
30			60				

METHODS: Digestion-

Sample Weight-

Determination- Cu, Mo - Colorimetric
 pH - Electrometric
 CO₃, HCO₃ - Electrometric Titration

REMARKS:

** reported as ppm CaCO₃
 mo, Cu to be reported at a later date*

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LAB Amex - Denver

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PROJECT 864

TYPE SAMPLES Geothermal Waters

REQUESTED BY Alan E. Shenker

	SAMPLE	Temp. °C	Cond.*			SAMPLE					
01	<u>W14995</u>	<u>25°</u>	<u>624.</u>			31					
02	<u>94</u>	<u>25°</u>	<u>570.</u>			32					
03	<u>97</u>	<u>25°</u>	<u>655.</u>			33					
04	<u>W14731</u>	<u>25°</u>	<u>2457.</u>			34					
05						35					
06						36					
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27						57					
28						58					
29						59					
30						60					

METHODS: Digestion-
 Determination-
 Wheatstone Bridge

Sample Weight-
 Cond. = conductivity
 in umhos/cm

REMARKS:
 * Samples were filtered
 w/ 45µ millipore filter.

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