

LAB AMAX-DENVER

ANALYTICAL REPORT

DATE 11/23/81

REQ. NO. 12435 JOB NO. _____

ANALYST T.C.

PROJECT 864

TYPE SAMPLES GEOTHERMAL WATER

REQUESTED BY 12435

	SAMPLE	PPM Na	PPM K	PPM Ca	PPM Mg	PPM SiO ₂		SAMPLE	T _{SiO₂}	T _{Na,K,Ca}			
01	W14377	22	.6	43	7	15	31		21	-2			
02	378	17	.9	37	7	20	32		31	6			
03	379	170	3.3	4	1	37	33		57	117			
04	380	130	1.8	3	<1	38	34		59	87			
05	381	52	8.4	35	2	91	35		128	74			
06	382	88	4.5	62	12	38	36		59	49			
07	383	57	3.0	190	71	15	37		21	17			
08	384	170	24	82	58	23	38		37	187			
09	385	39	2.6	19	5	35	39		55	48			
10	W14386	62	2.6	40	7	51	40		73	39			
11	387	59	9.8	33	3	69	41		89	81			
12	388	52	11	100	12	55	42		77	162			
13							43						
14							44						
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24							54						
25							55						
26							56						
27							57						
28							58						
29							59						
30							60						

METHODS: Digestion-

Sample Weight-

Determination- AA.

REMARKS: ADD SAMPLE # W14388

THE REMAINDER OF THE REQUESTED RESULTS WILL BE REPORTED AT A LATER DATE.

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

Copies to:

- 1. J.E. DEYMONAZ At
- 2. H.D. PILKINGTON At
- 3. GEOTHERMAL OFFICE At
- 4. HARRY OLSON
- 5. ELSIE ROWE

LAB AMAX-DENVER

ANALYTICAL REPORT

DATE 1/29/82

REQ. NO. 12435 JOB NO. _____

ANALYST PK - MS

PROJECT 864

TYPE SAMPLES GEOHERMAL WATERS

REQUESTED BY J.E DEYMONAZ

	SAMPLE	PPM B	PPM SO ₄	PPM Cl	PPM F		PPb Mn	UMhos/cm COND.					
01	WI4377	<.2	21	15	.1		<10	350					
02	378	<.2	15	11	.1		<10	300					
03	379	.25	78	53	.7		<10	640					
04	380	<.2	66	44	.6		<10	510					
05	381	.20	54	27	2.0		<10	450					
06	382	.30	48	58	2.0		27	730					
07	383	<.2	98	69	.2		11	1300					
08	384	1.2	68	57	5.0		16	1400					
09	385	<.2	25	30	.4		59	360					
10	386	.26	43	50	.3		<10	510					
11	387	<.2	41	68	.4		12	500					
12	388	.20	68	150	.2		32	980					
13													
14													
15													
16													
17													
18													
19													
20													
21													
22													
23													
24													
25													
26													
27													
28													
29													
30													

METHODS: Digestion-

Sample Weight-

Determination-B → CARMINIC ACID - COLORMETRIC COND → WHEATSTONE BRIDGE

SO₄ → TURBIDMETRIC

REMARKS:

Cl → MERCURIMETRIC TITRATION

F → SPECIFIC ION ELECTRODE

Mn → A.A

NOTE: Mail Original to
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Copies to:

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2. H. J OLSON At "
3. D. PILKINGTON At "
4. GEOHERMAL OFFICE At "
5. E. J ROWE At "

LAB AMAX - DENVER

ANALYTICAL REPORT

DATE 2/10/82

REQ. NO. 12435 JOB NO. _____

ANALYST M.S

PROJECT 864

TYPE SAMPLES GEOTHERMAL WATERS

REQUESTED BY JOHN. E. DEYMONAZ

	SAMPLE	PPM _x CO ₃	PPM _x HCO ₃			SAMPLE					
01	W14377	0	149			31					
02	78	12	124			32					
03	79	22	176			33					
04	80	13	117			34					
05	81	8	119			35					
06	82	11	189			36					
07	83	6	144			37					
08	84	14	254			38					
09	85	10	121			39					
10	86	11	0			40					
11	87	9	96			41					
12	88	0	106			42					
13						43					
14						44					
15						45					
16						46					
17						47					
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-

REMARKS: * as CaCO₃

➔ ORIGINAL ANSWERS MIS-CALULATED BY A FACTOR OF 10

NOTE: Mail Original to
AMAX Exploration, Inc.,
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- Copies to:
1. H. J OLSON At GEOTHERMAL
 2. D. PILKINGTON At "
 3. GEOTHERMAL OFFICE At "
 4. E. J ROWE At CEDAR
 5. J. E DEYMONAZ At GEOTHERMAL

LAB AMAX-DENVER

ANALYTICAL REPORT

DATE 3/1/82

REQ. NO. 12435 JOB NO. _____

ANALYST T.C. P.K.

PROJECT 864

TYPE SAMPLES WATER

REQUESTED BY J.E. DEYMONAZ

	SAMPLE	PPb Mo	PPb Cu					SAMPLE					
01	W14377	<2	<2					31					
02	78	<2	<2					32					
03	79	8	<2					33					
04	80	8	<2					34					
05	81	<2	<2					35					
06	82	4	<2					36					
07	83	15	<2					37					
08	84	10	<2					38					
09	85	4	<2					39					
10	86	2	<2					40					
11	87	6	<2					41					
12	W14388	<2	<2					42					
13								43					
14								44					
15								45					
16								46					
17								47					
18								48					
19								49					
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21								51					
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24								54					
25								55					
26								56					
27								57					
28								58					
29								59					
30								60					

METHODS: Digestion-

Sample Weight-

Determination- COLORIMETRIC

REMARKS:

NOTE: Mail Original to
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Copies to:

1. J.E. DEYMONAZ At _____
2. D. PILKINGTON At _____
3. H.J. OLSON At _____
4. GEOTHERMAL OFFICE
5. E.J. ROWE

LAB AMAX - DENVER

ANALYTICAL REPORT

DATE 1/14/82

REQ. NO. 12435 JOB NO. _____

ANALYST M.S

PROJECT 864

TYPE SAMPLES GEOHERMAL WATER

REQUESTED BY J.E DEYMONAZ

	SAMPLE	PPM Li				SAMPLE					
01	W14377	<.1				31					
02	378	<.1				32					
03	379	<.1				33					
04	380	<.1				34					
05	381	0.2				35					
06	382	<.1				36					
07	383	<.1				37					
08	384	0.4				38					
09	385	<.1				39					
10	386	<.1				40					
11	387	<.1				41					
12	388	<.1				42					
13						43					
14						44					
15						45					
16						46					
17						47					
18						48					
19						49					
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28						58					
29						59					
30						60					

METHODS: Digestion- Sample Weight-
Determination- Li → A.A

REMARKS:

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 - 2. H. J OLSON At "
 - 3. DEAN PILKINGTON At "
 - 4. GEOHERMAL OFFICE At "
 - 5. E. J ROWE At CEDAR

LAB Amex - Denver

ANALYTICAL REPORT

DATE 1-12-82

REQ. NO. 12435 JOB NO. _____

ANALYST PK

PROJECT 864

TYPE SAMPLES Geothermal Waters

REQUESTED BY Demonez

	SAMPLE						SAMPLE	ph	CO ₃ ppm As CaCO ₃	HCO ₃ ppm As CaCO ₃
01	1014377						31	8.1	0	15
02	78						32	8.6	1	12
03	79						33	8.9	2	18
04	80						34	8.8	1	13
05	81						35	8.5	1	12
06	82						36	8.6	<1	20
07	83						37	8.5	1	14
08	84						38	8.5	1	25
09	85						39	8.6	1	12
10	86						40	8.9	2	13
11	87						41	8.7	1	10
12	88						42	8.3	0	11
13							43			
14							44			
15							45			
16							46			
17							47			
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28							58			
29							59			
30							60			

METHODS: Digestion- Sample Weight-
 Determination- $ph + CO_3 - HCO_3$ by electrometric titration.

REMARKS:

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

Copies to:
 1. J. Demonez At Geothermal
 2. H.D. Pilkington At "
 3. Harry Olson At "
 4. Geothermal Office "
 5. F. T. D.