

TYPE OF SAMPLE

W=Water, S=Soil
 SS=Stream Sediment
 V=Vegetation
 R=Rock
 DR=Dump Rock
 DF=Dump Fines
 CR=Core
 CM=Composite
 P=Pulp

ABBREVIATIONS

Alk=K₂O, Na₂O, CaO
 T.E=Trace Elements (Standard elements unless defined otherwise.)
 t=Total; tMo, tS ox=Oxide
 s=Sulfide; as sNi
 ns=Non-Sulfide; as nsCu
 5=Cu, Mo, Pb, Zn, Ag
 10=5 + Co, Ni, Fe, Mn, Cd
 B=Bauxite analyses % SiO₂, LOI, Al₂O₃, Fe₂O₃

13719

REQUISITION FOR ANALYTICAL WORK

(REFER TO REQUISITION NO. IN ALL CORRESPONDENCE)

TO: (LAB AND ADDRESS) McIntyre

A TOTAL OF 1 HAS BEEN SHIPPED VIA Hand ON 2/20/85
(No. of Boxes or Sacks) (Carrier) (Date)

LAB JOB No. _____ REPORT DATED _____ AMAX PROJECT No. 33022

SAMPLE NUMBERS	ASSAYS (%)		GEOCHEMICAL (ppm)					OTHER							
	No.	Type	tMo	MoS ₂	Cu			Mo	Cu	5	W	F	Alk	T.E.	pH
<u>W14776-79</u>	<u>4</u>	<u>W</u>													
<u>W14877</u>	<u>1</u>	<u>W</u>													

TOTAL SAMPLES

REJECTS: Save Discard (RETURN ALL PULPS TO _____ OFFICE)

SAMPLES MISSING _____

SPECIAL INSTRUCTIONS OR REMARKS Standard Geochemical pH, d, t, sdy
HCO₃, CO₃, SiO₂, Na, K, Ca, Mg, Li, B,
Ec (K)
Run SiO₂ on diluted as well as raw sample

SEND COPIES OF RESULTS TO: (For Geologists Use) Data Received _____ Anal. Cost _____

- H.J. Olson
- H.D. Pilkington
- _____

4. AMAX EXPLORATION INC., 12620 W. CEDAR DR., LAKEWOOD, CO 80228 (2 Copies) _____

Original — Lab. via Mail
 Pink cc — Lab. with sample
 Yellow cc — Denver office
 White cc — Retain by sender

REQUESTED BY H.D. Pilkington

DATE 2/20/85

AMAX

EXTRACTIVE RESEARCH & DEVELOPMENT, INC.
5950 McINTYRE STREET, GOLDEN, COLORADO 80401
303-279-7636

ANALYTICAL REPORT

DATE SUBMITTED: 2-26-85
DATE COMPLETED: _____
WORKING PLACE NUMBER: 6880
DEPT NO: 200

Pilking 79443
JOB NUMBER

SUBMITTED BY: F. Pitard EXT: _____

COPIES TO: _____

SUBMITTER'S COMMENTS: Geothermal Water

SAMPLE PREP. YES NO

DESIRED ACCURACY: Run SiO₂ on dilute bottle as well as Raw Sample

Reg # 13719
Proj 33022

ROUTINE EXPEDITE

AUTHORIZED BY: _____

SAMPLE IDENTIFICATION	ICP	EST.	µmhos/cm		pH	EST.	PPM		EST.	PPM		EST.	PPM	EST.	SAMPLE MATRIX/COMPOSITION (e.g. pH, MAJOR IONS, ELEMENTS, ETC.)
			Cond	EST.			CO ₃	EST.		HCO ₃	EST.				
1 W14776			585		8.1		0			192			15.0		
2 W14778			380		8.2		0			135			6.1		
3 W14778			740		8.4		2			182			26.0		
4 W14779			400		8.4		4			178			5.4		
5 W14877			665		8.4		4			190			21.0		
6															
7															
8															
9															
10	F	PPM	SO ₄ PPM												
✓ W14776	1.20		93.4												
✓ W14777	.47		49.0												
✓ W14778	5.60		139												
✓ W14779	1.90		26.7												
✓ W14877	7.1		93.8												
16															
17															
18															
19															
20															

COMPLETE

ANALYST'S SIGNATURE(S)	CODE	DATE	DETER.	METHOD	COMMENTS
<i>[Signature]</i>	19	2-27-85	ICP	ICP	3.0 hr
<i>[Signature]</i>	2	3/7/85	F, Cl, SO ₄	SIE Grav	3 hrs.
<i>[Signature]</i>	16	3/14/85	pH	meter	
<i>[Signature]</i>	16	3/14/85	Carbonates	Titration	
<i>[Signature]</i>	16	3/15/85	Conductivity	meter	

QC see 79442
QC 0.1MKCl Found 1400
Rec. Val. 1413

5 x 49.80 = \$ 249.00

(RESULTS ARE CORRECTED FOR DILUTION)

DATE OF ANALYSIS: 27 - FEB - 85

SAMPLE	CA	K	NA	SI	MG	CU	MO1
1 W14776 dilute	10.6	1.14	7.04	2.20	2.01	0.022	< 0.004
2 W14777 dilute	7.13	0.88	3.19	2.51	1.29	0.038	< 0.004
3 W14778 dilute	5.35	0.89	15.4	3.66	0.85	0.011	< 0.004
4 W14779 dilute	3.92	1.08	6.76	2.38	0.68	0.039	< 0.004
5 W14877 dilute	10.2	2.05	27.5	8.06	1.61	0.044	< 0.004
6 W14776	105	6.00	56.5	28.6	25.9	0.031	< 0.004
7 W14777	64.3	4.31	24.8	24.1	12.6	0.023	< 0.004
8 W14778	60.8	6.16	133	43.0	10.1	0.037	< 0.004
9 W14779	35.5	2.94	55.0	21.7	5.33	0.020	< 0.004
10 W14877	42.9	8.78	118	43.9	7.93	0.036	< 0.004

SAMPLE	MN	AS	FE1	ZN2	FB	B	LI
1 W14776	0.027	< 0.042	0.093	0.013	< 0.118	< 0.008	0.025
2 W14777	< 0.0008	< 0.042	0.054	0.020	< 0.118	< 0.008	0.017
3 W14778	0.005	< 0.042	0.067	< 0.007	< 0.118	< 0.008	0.037
4 W14779	0.002	< 0.042	0.072	0.022	< 0.118	0.012	0.035
5 W14877	0.007	< 0.042	0.034	0.025	< 0.118	< 0.008	0.056
6 W14776	0.97	< 0.042	16.7	0.13	< 0.118	0.053	0.096
7 W14777	0.063	< 0.042	1.05	0.039	< 0.118	< 0.008	0.032
8 W14778	0.19	< 0.042	5.0	0.063	< 0.118	0.041	0.23
9 W14779	0.031	< 0.042	0.88	0.029	< 0.118	< 0.008	0.066
10 W14877	0.16	< 0.042	0.85	0.056	< 0.118	0.11	0.20

1 TO 6 ARE DILUTED SAMPLES
 RESULTS ARE IN MG/L IN SUBMITTED SOLUTIONS
 NO CORRECTION FOR DILUTION HAS BEEN MADE

27-FEB-85 14:24:43
 RPT4