

# AMAX

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

## ANALYTICAL REPORT

JOB NUMBER

76821

DATE SUBMITTED: 9-20-83  
DATE COMPLETED: \_\_\_\_\_  
WORKING PLACE NUMBER: 6920  
DEPT. NO.: 200

SUBMITTED BY: F. PITARD EXT 373  
COPIES TO: H. D. PILKINGTON

SUBMITTER'S COMMENTS: AMAX EXPLORATION - GEOTHERMAL SAMPLE PREP. YES  NO

DESIRED ACCURACY: Req # 12456 Project 33026 and 33028

ROUTINE  EXPEDITE  AUTHORIZED BY: \_\_\_\_\_

PREFERRED ORDER OF DETERMINATION

SAMPLE IDENTIFICATION	EST.	PH	EST.	CO <sub>3</sub> <sup>-</sup>	EST.	CO <sub>3</sub> H	EST.	SAMPLE MATRIX/COMPOSITION (e.g. pH, MAJOR IONS, ELEMENTS, ETC.)		
								EST.	EST.	EST.
1 W14774		8.7		15		165				
2 W15007 Big <i>Musty bottle</i>		7.5		0		153				
3 W15008		8.7		67		161				
4 W15009		8.65		65		163				
5										
6		ppm		ppm		ppm		ppm	ppm	ppm
		SiO <sub>2</sub>		Na		K		Ca	Mg	Li
7 W14774 acidified		39.8		1981		17.5		32.9	4.7	4.98
8 W15007 acidified		45.4		443		19.1		217	134	0.93
9 W15008 acidified		16.8		1074		10.4		28.5	9.1	4.29
10 W15009 acidified		16.5		1066		10.6		27.4	9.4	3.85
11										
12		uMho/cm conductivity		ppm		2/2		ppm	ppm	ppm
		Cl %		F		SO <sub>4</sub>		B	Mo	Cu
13 W14774 big bottle	8100	1.92		4.4		1.72		3.9	0.421	0.003
14 W15007 "	3580	1.05		1.0		.367		5.6	0.029	0.007
15 W15008 "	4480	1.31		9.2		.324		33.6	0.137	0.045
16 W15009 "	4430	1.28		7.0		.319		2.1	0.133	0.058
17										
18										
19										
20										

ANALYST'S SIGNATURE(S)	CODE	DATE	DETER.	METHOD	COMMENTS
<i>J. Means</i>	17	9-20-83	SiO <sub>2</sub> NaK Ca Mg Li Cu Mo	ICP	All samples contain precipitate. Only liquid was analyzed
<i>J. Means</i>	19	9-26-83	Conductivity pH, CO <sub>2</sub> , HCO <sub>3</sub>	Zeta meter, pH meter	
<i>DB</i>	2	10-12-83	Cl <sup>-</sup>	SIE	1.5 hrs
<i>DB</i>	2	10-12-83	F <sup>-</sup>	SIE	1.5 hrs
<i>DB</i>	2	10-		Bran	2.5 hrs
<i>DOB</i>	16	10/17/83	B	ICP	