

DT-Just Topaz #1198 - Duller

TOPAZ 1198

LAB Amex - Denver

ANALYTICAL REPORT

DATE 5-18-82
 ANALYST PK
 TYPE SAMPLES Geothermal Waters

REQ. NO. 12423 JOB NO. _____
 PROJECT 1198
 REQUESTED BY John E Deymonaz

*

	SAMPLE	Na ppm	K ppm	Ca ppm	Mg ppm	SiO ₂ ppm		SAMPLE	Li ppm	B ppm	SO ₄ ppm	Cl ppm	F ppm
01	W14954	1300	100	240	180	44	31		1.3	1.0	510	2400	1.1
02	955	41	5	42	5.9	13	32		<.1	<.2	9	80	.3
03	956	900	89	180	77	70	33		1.5	1.0	310	1200	3.0
04							34						
05							35						
06							36						
07							37						
08							38						
09							39						
10			silica				40	OF-AIK					
11		Qtz	Adiabata	Chol	Amwp		41						
12	W14954	95.9	97.5	65.6	-19.0	180.6	42	357.1	TOPAZ	Windmill			1198
13	55	48.0	55.2	15.4	-58.5	52.2	43	"	AT-183				1198
14	56	118.2	116.6	89.6	0.1	190.4	44	374.8	"	WELL NUMBER	TISS, R12W		1198
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- Na, K, Ca, Mg, Li, SiO₂ = AA

REMARKS:

* On req., samples were listed AS W14954-55, but we were given W14954-56.

- B - Carminic Acid Colormetric
- SO₄ - Turbidimetric
- Cl - Mercurimetric Titration
- F - Specific Ion Electrode

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

- Copies to:
1. John Deymonaz At Geothermal
 2. Dean Pilkington At "
 3. Harry Olson At "
 4. Geothermal Office At "
 5. E. J. Rowe At W. Cedar

LAB Amax - Denver

ANALYTICAL REPORT

DATE 5-18-82

REQ. NO. 12423 JOB NO. _____

ANALYST PK

PROJECT 1198

TYPE SAMPLES Geothermal Waters

REQUESTED BY John Deymonaz

	SAMPLE	Co ppb	Mo ppb	Cond mmhos/cm		SAMPLE	ph	CO ₂ ASCaCO ₃ ppm	HCO ₃ ASCaCO ₃ ppm		
01	W14954	2	4	8700		31	7.5	0	200		
02	W14955	2	4	490		32	7.2	0	74		
03	W14956	<2	<2	5200		33	7.3	0	460		
04						34					
05						35					
06						36					
07						37					
08						38					
09						39					
10						40					
11						41					
12						42					
13						43					
14						44					
15						45					
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25						55					
26						56					
27						57					
28						58					
29						59					
30						60					

METHODS: Digestion- Sample Weight-

Determination- Co + Mo = Color metric

REMARKS:

Cond. = Wheatstone Bridge
ph = electrometric

CO₂-HCO₃ = electrometric titration

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Topaz
1198

LAB Amax - Denver

ANALYTICAL REPORT

DATE 5-18-82
 ANALYST PK
 TYPE SAMPLES Geothermal Water

REQ. NO. 12430 JOB NO. _____
 PROJECT 1198
 REQUESTED BY John Deymonaz

*

SAMPLE	Na ppm	K ppm	Ca ppm	Mg ppm	SiO ₂ ppm	SAMPLE	Li ppm	B ppm	SO ₄ ppm	Cl ppm	F ppm	
01	W14521	280	32	210	19	130	31	.1	.2	130	730	2.5
02	W14522	900	72	60	51	58	32	1.5	1.5	320	940	2.8
03							33					
04							34					
05							35					
06							36					
07							37					
08							38					
09							39					
10							40					
11	W14521	152.4	145.4	127.5	30.7	97.5	41					
12	S22	108.9	108.6	79.5	-5.0	188.8	42					
13							43					
14							44					
15							45					
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30							60					

Silico
 Atm Adisbatic Chs/ Amorp/ A/K.

OF-AIK
 (?) Energy Fuel Hammer hole
 (?) BLM stock well

METHODS: Digestion- Sample Weight-
 Determination- Na, K, Ca, Mg, SiO₂, Li = AA Cl = Mercurimetric Tit.
 B - Carminic Acid Colorimetric F = Specific Ion Electrode
 SO₄ - Turbidimetric

REMARKS:
 * The samples given to us were W14521 + 22 not W14522 + 23 as listed on the req.

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REQ. NO. 12430 JOB NO. _____

ANALYST PK

PROJECT 1198

TYPE SAMPLES Geothermal

REQUESTED BY John Deymonaz

	SAMPLE	Cu ppb	Mo ppb	Cond µmhos/cm		SAMPLE	ph	CO ₃ ASCaCO ₃ PPM	HCO ₃ ASCaCO ₃ PPM		
01	W14521	4	8	2800		31	7.5	0	58		
02	W14522	5	2	4800		32	7.6	0	470		
03						33					
04						34					
05						35					
06						36					
07						37					
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10						40					
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30						60					

METHODS: Digestion- Sample Weight-

Determination- Cu + Mo = Colormetric

REMARKS:

Cond. = Wheatstone Bridge

ph = Electrometric

CO₃-HCO₃ = Electrometric Titration

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