

GEOHERMAL BRANCH

INTER-OFFICE MEMORANDUM

SUBJECT: Results of Water Analysis from McCoy Drill Hole 38-9 DATE: July 2, 1981

TO: H. J. Olson, H. D. Pilkington, A. L. Lange

FROM: J. E. Deymonaz

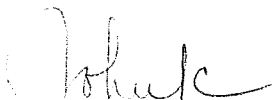
Listed below are the analytical results from water samples collected while drilling hole 38-9. Results of water from the McCoy Mine Well are also given for comparison. The waters are very similar and are most likely from the same source.

<u>Sample #</u>	<u>W14998</u>	<u>W14999</u>	<u>W15000</u>	<u>W14992</u>
Hole depth when sampled (ft)	550.	1200.	1300.	McCoy Mine
Temp °C	34.4	46.7	46.7	42.5
GPM	25.	100.	150.	25.
Na	230.	230.	230.	230.
K	18.	16.	16.	15.
Ca	24.	33.	35.	43.
SiO ₂	44.	35.	35.	40.
Mg	13.	11.	12.	8.7
Li	0.3	0.3	0.3	0.3
B	1.2	1.2	1.2	1.3
SO ₄	58.	53.	57.	47.
Cl	22.	23.	23.	24.
F	4.2	4.2	4.2	4.2
CO ₃	28.	0.	0.	0.
HCO ₃	472.	538.	530.	580.
Mo(PPB)	5.	2.	4.	6.
Cu(PPB)	<2.	<2.	<2.	4.
Conductivity umhos/cm	1128.	1190.	1201.	NR
pH	8.4	7.9	7.8	7.2

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<u>Sample #</u>	<u>W14998</u>	<u>W14999</u>	<u>W14500</u>	<u>W14992</u>
TSiO ₂ no steam loss	96	86	86.	92.
TSiO ₂ max steam loss	97.	89.	89.	94.
TSiO ₂ chalcedony	66.	55.	55.	61.
TNa-K-Ca	171.	163.	162.	157.



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JED/c