

GEOTHERMAL BRANCH

INTER-OFFICE MEMORANDUM

SUBJECT: Results of Water Analysis from Drill Hole 25-9 DATE: July 2, 1981

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

FROM: J. E. Deymonaz

Listed below are analytical results of water samples taken while drilling hole 25-9. Colloidal material in the samples necessitated filtering samples before determinations for SiO₂, B, SO₄, and Cl were made, and may have caused some error in the results.

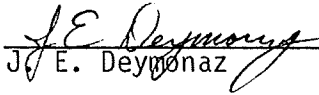
<u>Sample #</u>	<u>W14995</u>	<u>W14996</u>	<u>W14997</u>
Hole depth when sampled (ft)	1640.	1840.	2000.
Temp °C	44.4	47.8	54.4
GPM	25.	30.	30.
Na	85.	69.	58.
K	14.	11.	12.
Ca	8.4*	19.*	34.
SiO ₂	17.	25.	35.
Mg	20.	16.	29.
Li	0.3	0.2	0.1
B	0.8*	0.5*	0.4
SO ₄	64.*	75.*	86.
Cl	29.*	34.*	45.
F	2.9	1.7	1.0
CO ₃	12.	0.	0.
HCO ₃	182.	158.	156.
Mo(PPB)	35.	65.	NR
Cu(PPB)	1.	1.	1.
Conductivity umhos/cm	624.	570.	655.
pH	8.7	8.2	8.2

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<u>Sample #</u>	<u>W14995</u>	<u>W14996</u>	<u>W14997</u>
TSiO ₂ max steam loss	64.	77.	89.
TSiO ₂ chalcedony	25.	40.	55.
TNa-K-Ca	204.	100.	87.

*Determinations made after samples were filtered through .45m millipare filter.



J. E. Deymonaz

JED/c