AMAX EXPLORATION, INC.
A SUBSIDIARY OF AMAX INC.

GEOTHERMAL BRANCH

INTER-OFFICE MEMORANDUM

SUBJECT: Thermal Conductivity Measurements - Deeth Area, NV DATE: Decmeber 15, 1980

TO: J. E. Deymonaz

FROM: H. D. Pilkington

The following thermal conductivity measurements have been received from Microgeophysics for the cuttings of phase I drilling at Deeth:

Hole #	Depth (ft.)	Bulk Conductivity	Calculated In Situ K
1030-4	60-70	7.42	4.73
	100-110	10.77	6.08
	200-210	3.71	2.82
1030-6	60-70	8.74	5.14
	140-150	6.91	4.21
1030-8	140-150	7.21	2.98*
1030-9	140-150	8.11	5.41*
1030-10	200-210	6.01	4.24
1030-11	140-150	14.87	12.31
	290-300	17.12	14.01
1030-12	310-320	4.34	2.58*
1030-13	290-300	12.91	7.57*
1030-15	140-150	6.19	3.96
	270-280	10.77	6.08
1030-18	70-80	9.43	6.44
	270-280	5.45	2.64*

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In general the bulk conductivity measurements appear to be reasonable and are probably the values we should use. The estimated On situ conductivities values, especially those *, are much too low because of the high porosity values assumed by Diane Westfahl (see enclosed data sheets).

H. D. Pilkington

Encl: 1

HDP/cjb