

AMAX EXPLORATION, INC.

A SUBSIDIARY OF AMAX INC.

4704 HARLAN STREET • DENVER, COLORADO 80212 • (303) 433-6151

December 7, 1977

Mr. John Buckley
Petro-Lewis Corporation
1600 Broadway
Denver, Colorado 80202

Re: Thermal Gradient Data
Well 640-28
Mt. Princeton (640) Project
Chaffee County, Colorado

Dear John:

Enclosed is a copy of the gradient data from the 600 meter well #640-28 that AMAX drilled at Mt. Princeton.

The well will be logged again before it is abandoned but this data should be valid as the well has had ample time to equilibrate.

The gradient at the bottom is approximately 58°C/km with a heat flow of 4.0 HFU assuming a conductivity of 6.93. Depth to the 200°C isotherm would be 3.36 km or about 11,000 feet.

Dean Pilkington should be running this data through the computer shortly, and I've asked him to send you a copy of the printout as soon as it is available.

Best regards.

Sincerely,

AMAX EXPLORATION, INC.



Harry J. Olson
Managing Geologist
Geothermal Exploration

HJO:d
Encl.

bc: W. M. Dolan - w/o attach.
H. D. Pilkington-w/o attach ✓

AMAX EXPLORATION, INC.

A SUBSIDIARY OF AMAX INC.

4704 HARLAN STREET • DENVER, COLORADO 80212 • (303) 433-6151

October 7, 1977

Mr. John Buckley
Petro-Lewis Corporation
1600 Broadway
Denver, Colorado 80202

Dear John:

This will confirm our conversation of October 6 in which I informed you that the rig had arrived on site at the Mt. Princeton property well 640-28 on October 3 and had begun drilling on Tuesday morning, October 4.

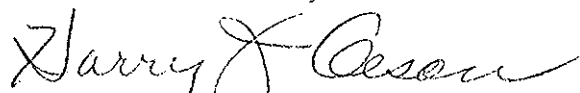
Deborah Edgerton is AMAX' project geologist at the drill site. She can be reached at the Vista Court (phone 395-2267) in Buena Vista. She has been notified of your request for current drill progress and will call in a daily drill report to Karen Malone at Petro-Lewis each morning.

As provided in the agreement between AMAX and Petro-Lewis, AMAX will bill 75% of the drilling and direct supervision costs to Petro-Lewis.

Best regards.

Sincerely,

AMAX EXPLORATION, INC.



Harry J. Olson
Managing Geologist
Geothermal Exploration

HJO:d

cc: W. M. Dolan
D. A. Edgerton
H. D. Pilkington ✓



AMAX EXPLORATION, INC.

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October 30, 1978

Mr. George Chisman
P. O. Box K
Buena Vista, Colorado 81211

Dear George:

The glacial-fluvial sediments in drill hole 640-28 extend from the surface to a depth of 216 meters (675 feet). Based upon our temperature measurements it appears that we encountered water and/or lost circulation zone at the following depths:

70 - 90 meters	(220-280 feet)
115-120 meters	(360-375 feet)
185-195 meters	(579-590 feet)
210-225 meters	(657-704 feet)

The hole is cased to a depth of 240 feet and open below that. The zone between 115 and 120 meters looks better than the rest, but may well be related to clay zones rather than water bearing zones. It does not appear to be promising as a water well.

If I had to select a site for a water well I would pick one along Merriam Creek somewhere above Frontier Camp.

Sincerely,

H. D. Pilkington/c

H. D. Pilkington

HDP/c