



State of Idaho

DEPARTMENT OF WATER RESOURCES

1301 North Orchard Street, Statehouse Mail, Boise, Idaho 83720-9000

Phone: (208) 327-7900 FAX: (208) 327-7866

April 7, 1997

PHILIP E. BATT
GOVERNOR

Kathleen Barkdull, Secretary
Warm Creek Irrigation Company
3202 Hedstrom Lane
American Falls, Idaho 83211

KARL J. DREHER
DIRECTOR

REFERENCE: Deeg Well Concerns

Dear Ms. Barkdull,

Thank you for your letter dated March 26, 1997 inquiring about our findings relative to the down-hole camera and temperature logging conducted on the well located in SWSE, Section 6, T9S, R31E, B.M. The well was logged with the video and temperature probe to determine if Low Temperature Geothermal water existed at the bottom of the hole and to observe the extent of commingling of shallow cool waters with the deeper, warm water believed to be present. Idaho Code 42-233 defines Low Temperature Geothermal water resources as having a water temperature of 85-212 degrees F and requires such water to be used principally for heat value. Department Rules require that waters of unlike quality, pressure or temperature to not be commingled if such commingling would constitute a waste or cause contamination of the water resources.

The video camera showed a small amount of water dripping into the hole at about 261 feet and at 298 feet about 5-10 gpm was observed running down the slotted liner. Static water was found at 458 feet. The temperature probe measured the bottom hole temperature at 60.76 degrees F. Therefore, the department determined the well was not commingling cold water with Low Temperature Geothermal water resources and that use of the water was not in violation to Idaho Code 42-233. The Department further determined that reconstruction of the well is not necessary.

Concerning your question related to the measuring device, this is part of the field examination which the Department will conduct prior to issuance of the license for water right 41-07076.

The Department is not authorizing further drilling under this water right.

I hope this information is helpful to you.

Sincerely,

A handwritten signature in dark ink, appearing to read 'Mark S. Slifka', is written over a horizontal line.

Mark Slifka

Cc: Allen Merritt
Timothy Deeg