

IN THE OFFICE OF THE STATE ENGINEER
OF THE STATE OF NEVADA

O R D E R

Donald E. and Arletta G. Sherlock
P.O. Box 1826
Elko, NV 89801

This office has determined through investigation that you are the owner of that certain well located within the NE $\frac{1}{4}$ NE $\frac{1}{4}$ Section 28, T.34N., R.55E., M.D.B.&M., and further described as the well completed June 21, 1982, under your Permit No. 43564.

Information available to this office indicates that approximately the top thirty-five feet of the subject well has been removed as the surrounding hillside area was cut out and leveled. Therefore, since only a portion of the previously cemented fifty-three feet of surface casing now exists in the subject well, and pursuant to the authority under NRS 534.060(4), the State Engineer finds the well defective as the completion no longer complies with the Regulations for Drilling Water Wells as adopted under Chapter 534 of the Nevada Administrative Code.

Furthermore, the construction of the well is not in compliance with the specific conditions imposed under Permit No. 43564. The drilling record for the subject well indicates a (hot) water bearing fractured zone was encountered between 215 feet to 217 feet (total depth) and the well was then completed with 8 inch casing and a gravel-packed annulus from 217 feet to surface. Permit 43564 specifically requires the (hot) ground water zone to be sealed off to prevent waste and contamination. The State Engineer finds the well completion provides for potential leakage from the production zone (waste) and is in violation of NRS 534.060(3) and NRS 534.070 and does not comply with the conditions set forth under Permit 43564. NRS 534.060 provides in pertinent part:

3. The permittee shall provide the necessary valves, plugs or other appliances to prevent or control the flow of water from the well and prevent the loss of underground water above or below the ground surface.

(Emphasis added)

Field investigation further confirms that water diverted from the subject well is discharged at the surface and is not being returned to the source as required under the conditions of Permit 43564.

Data and information available to the State Engineer at this time indicates that regulation of water withdrawals from the geothermal reservoir may be necessary to protect existing rights. You are hereby ordered to cease and desist all unauthorized uses of the resource including discharge to the pond located within the place of use of Permit 43564.

YOU ARE HEREBY ORDERED, under the authority pursuant to NRS 534.060(4), to repair the subject well within 60 days of the date of this Order or the State Engineer may pursue appropriate action pursuant to NRS 534.060(5).



Peter G. Morros
State Engineer

Dated at Carson City, Nevada, this
13th day of JANUARY, 1988.