

NATURAL RESOURCES AGENCY
DEPARTMENT OF CONSERVATION
DIVISION OF OIL, GAS, AND GEOTHERMAL RESOURCES

No. PG115-01
DISTRICT G1

REPORT ON PROPOSED GEOTHERMAL OPERATIONS

Mr. Tom O'Malley, Agent
Modoc Joint Unified School District
906 West Fourth Street
Alturas, CA 96101

October 29, 2015
Sacramento, CA

Your proposal to **drill** well **Inj. Well AL-4**, API No. **049-90066**, Sec. **14**, T. **42N**, R. **12E**, MD B&M, -- Field, **Modoc** County, dated **10/22/15**, received **10/26/15**, has been examined in conjunction with records filed in this office.

THE PROPOSAL IS APPROVED PROVIDED:

1. Blowout prevention equipment, as defined by the Division's publication No. MO7, shall be installed and maintained in operating condition and meet the following minimum requirements:
 - a. Class **II A 1M** on the 16" casing.
2. Hole fluid of a quality and sufficient quantity to control all subsurface conditions in order to prevent blowouts shall be used.
3. Sufficient material to control lost circulation of the hole fluid shall be available for immediate use at all times.
4. Water with any beneficial use shall be protected from degradation and waste at all times.
5. The 24", 16", and 10 ¾" casings shall be cemented with sufficient cement to fill behind these casings from the shoe to ground surface.
6. No fluid shall be injected prior to receipt of the Division's approval listing requirements for this project. The issuance of project approval is being withheld pending receipt and review of all required project information. If planning to use this well for an injectivity test, contact this office beforehand for further instructions.

THIS DIVISION SHALL BE NOTIFIED:

- a. One day prior to commencement of drilling operations.
- b. To **witness** a test of the blowout prevention equipment prior to drilling out the shoe of the **16"** casing. **A 24 hour advance notice shall be given.**
- c. Before making any changes to the drilling and/or casing program, placing any plugs in the hole, or suspending operations.

NOTE:

1. Call the Sacramento office of the DOGGR for field engineer. (916) 323-1787 during normal business hours of 8 AM to 5 PM. Outside normal business hours call (916) 616-5370.

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Steven R. Bohlen
State Oil and Gas Supervisor

By _____
Jack Truschel, District Deputy

cc: Joe Picotte, City of Alturas Planning Dept.
Zack Chandler, Central Valley RWQCB
Darryl Anderson, Anderson Engineering and Surveying Inc.

*A copy of this report and the proposal must be posted at the well site prior to commencing operations.
Records for work done under this permit are due within 60 days after completion, suspension, or
abandonment.*

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