UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

GEOTHERMAL SUNDARY NOTICE

The Bureau of Land Management (BLM) requests this form or other BLM-approved forms to be prepared and filed in triplicate with requisite attachments with the authorized officer. The authorized officer must approve this permit prior to any lease operations.

1. Well Type: □ Production □ Injection □ Heat Exchange □ Observation □ Other
   Temperature Gradient Well (TCH)

2. Name of Lessee/Operator
   ORNI 4 / Ormat Nevada Inc.

3. Address of Lessee/Operator
   980 Greg Street, Sparks, NV 89431-6039

4. Location of Well or Facility
   At the end of USFS Road 9735-680, adjacent to pad 88-21, T21S, R12E.

5. Type of Work
   □ Change Plans □ Site and Road Construction
   □ Construct New Production Facilities □ Alter Existing Production Facilities
   □ Convert to Injection □ Fracture Test □ Shoot or Acidize □ Repair Well
   □ Pull or Alter Casing □ Multiple Complete □ Abandon □ Other

15. Describe Proposed Operations (Use this space for well activities only. See instructions for current well conditions on reverse)

   See attached detailed abandonment procedure.
   See attached well diagram for existing well casing.
   See attached well diagram with notes for existing condition of the well.

   Rig up, pull both 2" and 3" tubing from well. Set first plug from 1,457 feet to 1,257 feet below surface, Test plug. Pull out of hole displacing with mud to 600 feet. Set second plug from 600 feet below surface to surface. Cut off casing 4 feet below surface. Remove equipment and clean up pad.

16. Describe Proposed Operations (Use this space for all activities other than well work)

   Re-install water bars behind locked gate from 88-21 TCH to water well site upon demobilization

17. I hereby certify that the foregoing is true and correct

   Signed ____________________________  Title ________________  Date ___________

   (This space for Federal use)

   Approved by ____________________________  Title ________________  Date ___________
   Conditions of Approval, if any:
   ________________________________________
   ________________________________________
   ________________________________________
   ________________________________________

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on reverse)
Newberry KGRA
Abandonment Procedure
Well 88-21 TCH

1) Mobilize small work-over drill rig to location. This will include extra items such as mud tanks, water truck, and cement pumping units.
2) Remove cement manhole cover from wellhead.
3) Check wellhead pressure.
4) Rig up and flange up BOP Equipment to existing wellhead. Test BOP equipment as directed by BLM and DOGAMI.
5) Hook up kill line to 2" wing valve.
6) Kill well with mud.
7) Open valves and check on 2 inch tubing to determine if it is loose or stuck.
8) Fish for top of 3.5-inch HQ rods with overshoot on 2 inch tubing. The 3.5-inch HQ rods are approximately 16 feet below surface.
9) Latch on to 3.5-inch HQ rods and strip out over 2-inch tubing. 3.5-inch HQ rods are expected to be loose at 2,485 feet, which is 1,000 feet below the shoe of the 4.5 inch cemented casing at 1,357 feet.
10) Stack 3.5-inch HQ rods on pad site, for eventual removal from project area.
11) Once 3.5-inch HQ rods are out, connect up to 2 inch tubing and pull.
12) If 2 inch tubing is loose, pull and stack on site 4,855 feet of 2 inch tubing.
13) If 3.5 inch HQ rods or if 2 inch tubing are stuck, shoot or cut off at approximately 2,480 feet, leaving remainder of pipe in the hole and removing all HQ rod and tubing above 2,480 feet.
14) Set Plug #1. Pump 200 liner feet of 15.8-pound cement with 40% silica from 1,457 to 1,257 feet, setting plug across shoe of 4.5-inch casing at 1,357 feet with 100 foot overlap below the shoe and inside of the 4.5-inch casing.
15) Wait on cement (let set overnight or at least 8 hours).
16) Run in hole and tag cement plug #1. If plug is not present, repeat step 14.
17) Pull out of hole to 600 feet while displacing with drilling mud made of 9.0 pound/gal and 36 Viscosity.
18) Set Plug #2. Pump 600 feet of 15.8-pound cement with 40% silica.
19) Top off cement from surface, if required.
20) Cut off all casings 4 feet below ground level. Weld plate on 4.5-inch casing inscribed with well number and date.
21) Fill in hole to ground level.
22) Clean up pad and release equipment from site.
23) Replace water bars on road from 88-21 pad to locked gate.
24) Close and lock gate.
CALIFORNIA ENERGY COMPANY INC.

2" TUBING STRING

2" Valve -- > X

WELL # NE 88-21 TCH
DATE RAN: 07/21/95

Tubing Flange ----> ---->

Tubing Doughnut --- > ==>

set in 4 1/2 csg.
wellhead.

Ground Level

Top OF 3 1/2" @ 16'

< 10 3/4" Set @ 21'

< 7" Set @ 500'

< 4 1/2" Csg. Set @ 1357'

2" Tubing

# of Jts. 154
wt. 3.4
Gr. J-55
Thread. BUTT.

3 1/2" HO PIPER NOT
CEMENTED. PIPE STUCK FROM
3792' UP TO 16'.

<--- Bottom of 3 1/2 @ 3792'

< 2" Tubing Set @ 4855'

< Bottom of Hole @ 4876'

NOTE: ALL MEASUREMENTS FROM KB.  Supervisor: Richard Lemon
CALIFORNIA ENERGY COMPANY INC.

2" TUBING STRING

2" Valve

Tubing Flange

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Tubing Doughnut
set in 4 1/2 casing

Ground Level

Top of 3 1/2" @ 16'

- 10 3/4" Set @ 21'
  4'/2" K-55 welded 0-21'
remained

- 7" Set @ 500'
  2 6'/2" K-55 buttress
  0-500' cemented

HQ rods parted here.

1357'

2" Tubing

# of Jts. 154
Wt. 3.4
Gr. J-55
Thread. BUTT.

2 1/2" HQ PIPE NOT
Cemented, pipe stuck from
1700' up to 16'

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- Bottom of 3 1/2 @ 3709'
  HQ rods - not cemented - stuck
  16-3709 ft.

- 2, 1/2" holes @ 4820 ft.

- 2" Tubing Set @ 4855'
  2, 0.5" holes @ 4820 ft.

- Bottom of Hole @ 4876'

NOTE: ALL MEASUREMENTS FROM TD.

Supervisor: Richard Lemon

Shico 9/4/01