STATE OF OREGON
DEPARTMENT OF GEOLOGY AND MINERAL INDUSTRIES
1069 State Office Building Portland, Oregon 97201

HISTORY OF GEOTHERMAL WELL
(Submit in duplicate)

In compliance with rules and regulations adopted pursuant to ORS 522.355 (Chapter 552 OL 1975)
Operator Orvail Buckner Mid Newberry Crater
Well No. RDO-1 Sec. 31 T. 21S R. 13E W. B. & M.

Date

It is of the greatest importance to have a complete history of the well. Use this form in reporting
the history of all important operations at the well, together with the dates thereof, prior to the first
production. Include in your report such information as size of hole drilled to cementing or landing depth
do casings, number of sacks of cement used in the plugging, number of sacks or number of feet of cement
drilled out of casing, depth at which cement plugs started, and depth at which hard cement encountered.
If the well was dynamited, give date, size, position and number of shots. If plugs or bridges were put
in to test for water, state kind of material used, position and results of pumping or bailing.

Date

9/16/83 Mix mud, start 9-7/8" hole, drill %30'.
9/17/83 Drill to 420' in 14-1/2 hours.
9/18/83 Drill 420' to 800' in 24 hours.
9/19/83 Drill 800' to 1040' in 13-1/2 hours, entered hard formation,
stopped to case.
9/20/83 Shut down.
9/21/83 Shut down.
9/22/83 Circulate and pull out.
9/23/83 Welded 900' casing in 18 hours (8" dia x .25" wall).
9/24/83 Set casing to 1030', pump cement (176 sacks with retarder).
9/25/83 Partial assembly of B.O.P.
9/26/83 Pressure grout surface to 50' (110 sacks bought--too much)
9/27/83 Set B.O.P., drill cement from casing to 900'.
9/28/83 Circulate and test B.O.P., start drilling, 7-7/8".
9/29/83 Drill 1040' to 1336', hard drilling.
9/30/83 Drill 1336' to 1390', artesian flow observed, shut in B.O.P.
10/01/83 Added weight material to mud; attempted temperature logs.
10/02/83 Added more weight material, well killed; attempted temperature logs.
10/02-10/16/83 Wait for decisions on well.
10/17/83 Pulled steel.
10/18/83 Trip in rig to pump cement.
10/19/83 Pump cement 1390' to 640' (130 sacks with retarder and silica flour).
10/20/83 Pump cement 120' to surface (40 sacks with retarder and silica flour).
10/21/83 Cut casing, welded cap, buried well head.