

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

WELL SUMMARY REPORT
(Geothermal Well)

Operator GEO NEWBERRY CRATER INC Field NEWBERRY VOLCANIC FLANK
Well No. GEO N-4 Sec. 35, T. 21S, R. 13E W.M. W. B. & M.
Location 2750'S & 2188'W of NE CORNER S35 Elevation above sea level 6280 feet
All depth measurements taken from top of RIG FLOOR, which is .5 feet above ground

In compliance with the rules and regulations pursuant to ORS 522 (Chapter 552 0L 1975) the information given herewith is a complete and correct record of the present condition of the well and all work done thereon, so far as can be determined from all available records.

Date 10-30-87 Signed W.C. Walker

Engineer or Geologist Superintendent Title PROJECTS COORDINATOR
(President, Secretary or Agent)

Commenced drilling 7-24-87 Completed drilling 10-24-87 Drilling tools Cable Rotary CORE
Total depth 2306' Plugged depth N/A GEOLOGICAL MARKERS DEPTH
Junk SEE CASING Schematic
(ie. BR fish - left in 10k)
Commenced producing N/A
Date

Initial production
Production after 30 days

Water gpm	Temp °C	Total Dissolved Solids (ppm)	Steam lb/hr	Tubing Pressure	Casing Pressure

CASING RECORD (Present Hole)

Size of casing (A.P.L.)	Depth of shoe	Top of casing	Weight of casing	New or second hand	Seamless or lapweld	Grade of casing	Size of hole drilled	No. of sacks of cement	Depth of cementing if through perforations
<u>8 5/8" O.D.</u>	<u>302'</u>	<u>surf</u>	<u>10.94</u>	<u>NEW</u>	<u>lapweld</u>	<u>sch. 40</u>	<u>12"</u>	<u>187</u>	<u>N/A</u>
<u>4 1/2" O.D.</u>	<u>478'</u>	<u>surf</u>	<u>10.70</u>	<u>NEW</u>	<u>seamless</u>	<u>A-53</u>	<u>8"</u>	<u>264</u>	<u>N/A</u>
<u>3 1/2" O.D.</u>	<u>1172'</u>	<u>surf</u>	<u>7.7</u>	<u>NEW</u>	<u>SM</u>	<u>1035</u>	<u>3.85"</u>	<u>73</u>	<u>N/A</u>
<u>2 3/4" O.D.</u>	<u>2045'</u>	<u>surf</u>	<u>4.4</u>	<u>NEW</u>	<u>SM</u>	<u>4130</u>	<u>2.98"</u>	<u>35</u>	<u>N/A</u>
<u>2 3/16" O.D.</u>	<u>2040'</u>	<u>1090'</u>	<u>3.4</u>	<u>NEW</u>	<u>SM</u>	<u>4130</u>	<u>2.98"</u>	<u>N/A</u>	<u>N/A</u>

HVL
NCG
BCG

PERFORATIONS

Size of casing	From	To	Size of perforations	Number of rows	Distance between centers	Method of perforations
	ft.	ft.				
	ft.	ft.				
	ft.	ft.				
	ft.	ft.				
	ft.	ft.				