

RESOURCES AGENCY OF CALIFORNIA  
DEPARTMENT OF CONSERVATION  
DIVISION OF OIL, GAS, AND GEOTHERMAL RESOURCES  
**WELL SUMMARY REPORT — GEOTHERMAL**

API Well No. **097-90687**

Operator <b>Geysers Power Company, LLC</b>		Well <b>Prati-38</b>				
Field <b>Northwest Geysers</b>		County <b>Sonoma</b>	Sec. <b>35</b>	T. <b>12N</b>	R. <b>9W</b>	B.&M. <b>M.D.</b>
Location (Give surface location from property or section corner, street center line.) <b>3000.1'W &amp; 113.4' N of the SE corner of Section 35 in T12N, R9W M.D.</b>					Elevation of ground above/below sea level <b>1901'</b>	
Latitude/Longitude (if known)		Latitude: _____		Longitude: _____		

Was the well directionally drilled?  Yes  No If yes, show coordinates at total depth.  
**1782.7' S & 449.5' W of surface location (surveys attached)**

Commenced drilling (date) 11/3/2010	Total depth	True Vertical Depth	Plugged Depth	Depth measurements taken from top of: <input type="checkbox"/> Derrick Floor <input type="checkbox"/> Rotary Table <input checked="" type="checkbox"/> Kelly Bushing
Completed drilling (date) 1/12/2011	<b>9,942'</b>	<b>9,595'</b>	<b>N/A</b>	Which is <b>30</b> feet above ground
Commenced production/injection (date) Production pending pipeline installation	Junk <b>N/A</b>		GEOLOGICAL MARKERS <b>Refer to Litho-log</b>	
Name of production/injection zone(s) <b>Franciscan</b>			Formation and age at total depth <b>Jurassic</b>	DEPTH  Base of fresh water

DATE	STATIC TEST (Shut-in well head)	PRODUCTION TEST DATA								
		Total mass flow data					Separator data			
		Pressure (psig)	Sfc Pressure (psi)	Orifice (Inches)	Rate (lbs/hr)	Enthalpy (Btu/lb)	Temperature (°F)	Sfc Pressure (psi)	Temperature (°F)	Steam Rate (lbs/hr)
1/11/2011	276	88	4	55 kph						

**CASING AND CEMENTING RECORD (Present Hole)**

Size of Casing (API) (inches)	Top of Casing (feet)	Depth of Shoe (feet)	Weight of Casing (lbs/ft)	Grade and Type of Casing	Size of Hole Drilled (inches)	Number of Sacks or Cubic Feet of Cement	Top(s) of Cement in Annulus (feet)
22" 16"	surface surface	286' 1696"	86.0# 75#	PE, Line K-55 BTC	26" 20-1/2"	551 cu ft 2700 cu ft	surface
11-3/4"	hung @ 1467	5,532'	54# & 60#	N-80 & K-55 BTC	14-3/4"	2665 cu ft	1467'
8-5/8" liner	5,107'	9,942'	40#	L-80 H-521	10-5/8"	N/A	N/A
Window top @ 5272 b/ 5297							

PERFORATED CASING LINER (Size, top, bottom, perforated intervals, size and spacing of perforations, and method.)  
**8-5/8" slotted liner 2-1/2" X 1/4" 6 rows, 12 spf, blank 8' from box and 4' from pin**

Logs/surveys run?  Yes  No If yes, list type(s) and depth(s).

In compliance with Sec. 3215, Division 3, of the *Public Resources Code*, 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.

Name <b>Paul Graham</b>		Title <b>Agent</b>	
Address <b>10350 Socrates Mine Road</b>		City/State <b>Middletown, CA</b>	Zip Code <b>95461</b>
Telephone <b>707-431-6094</b>	Signature		Date
E-Mail <b>grahmpaul@calpine.com</b>	Fax <b>707-431-6148</b>		