

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

API Well No. **097-90851**

Operator Geysers Power Company, LLC		Well Sulfur Bank 34			
Field Geysers		County Sonoma		Sec. 12	T. 11N
				R. 9W	B.&M. M.D.
Location (Give surface location from property or section corner, street center line.) 667.1' North and 2053.9' East of the SW Corner of Section 12, T11N, R9W					Elevation of ground above/below sea level 2096'
Latitude/Longitude (if known)		Latitude: 38.808668		Longitude: -122.814730	

Was the well directionally drilled? Yes No If yes, show coordinates at total depth.
1070' North and 169' of surface location (surveys attached)

Commenced drilling (date) 07/28/2012	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) 09/21/2012	8258'	8159'	N/A	Which is 29 feet above ground	
Commenced production/injection (date) Injection pending pipeline construction	Junk None. For more casing and cementing details please see attached casing tallies and cementing reports.			GEOLOGICAL MARKERS Refer to Litho-log	
Name of production/injection zone(s) Franciscan				DEPTH	
				Formation and age at total depth Jurassic	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)	Water Rate (lbs/hr)
09/13/12	Rig Test / Wet Test				94.7 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)
20"	surface	537'	94#	J-55 BTC	26"	480 sx	surface
13-3/8" X 13-5/8"	surface	2434'	68# X 88.2#	L-80 BTC	17-1/2"	1050 sx	surface
8-5/8" X 7" slotted/blank liner	2239'	8195'	40#	Cr13/80 H523 and JFE Bear	10-5/8"	N/A	N/A
7" tieback	surface	2278'	29#	Cr13/80 JFE Bear	13-5/8" casing	N/A	N/A

PERFORATED CASING LINER (Size, top, bottom, perforated intervals, size and spacing of perforations, and method.)
8-5/8" X 7" 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.

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