

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

API Well No. **097-90630**

Operator Geysers Power Company, LLC		Well Prati 32				
Field Northwest Geysers		County Sonoma	Sec. 35	T. 12N	R. 9W	B.&M. MD
Location (Give surface location from property or section corner, street center line.) 3898' South & 1036' East of the NW corner of Section 35					Elevation of ground above/below sea level 2,116'	
Latitude/Longitude (if known)		Latitude: 428101		Longitude: 1762116		
Was the well directionally drilled? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No If yes, show coordinates at total depth. 202' North and 1594' West of surface location						

Commenced drilling (date) 08/16/2010	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) 09/20/2010	11,143'	10,913'		Which is 31 feet above ground
Commenced production/injection (date) Production pending pipeline hookup	Junk N/A		GEOLOGICAL MARKERS	
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)
10-22-2010	340	93	10	85	1220	388				

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"	surface	322'	86.6#	line pipe	26"	N/A	surface
16" & 16-1/8"	surface	2993'	84# & 95.6#	N-80 & K-55 BTC	20-1/2"	N/A	surface
13-3/8" tieback	surface	2805'	61#	K-55 BTC	16" casing	N/A	surface
11-3/4" liner	2805'	6113'	54# & 60#	K55, N80 & SS95 BTC	14-3/4" hole	N/A	N/A

PERFORATED CASING LINER (Size, top, bottom, perforated intervals, size and spacing of perforations, and method.)

7" 29# L80 H-521 slotted liner from 10,004 - 11115', 8-5/8" 40# L80 H521 slotted liner from 6801 - 10,004', 8-5/8" 40# L80 H521 blank liner from 5904 - 6801. (7") slots 2-1/2" X 1/4" 6 rows, 12 spf, blank 8' from box and 4' from pin (8-5/8") slots 2" X 1/4" 10 rows, 20 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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