

RESOURCES AGENCY OF CALIFORNIA
DEPARTMENT OF CONSERVATION
DIVISION OF OIL, GAS, AND GEOTHERMAL RESOURCES

WELL SUMMARY REPORT — GEOTHERMAL

API Well No. **097-90847**

Operator Geysers Power Company, LLC		Well DX (State 4596) - 88				
Field Geysers		County Sonoma	Sec. 7	T. 11N	R. 8W	B & M. M.D.
Location (Give surface location from property or section corner, street center line.) 301.12' North and 3144.66' East of the SW corner of Sec 7, T11N, R8W					Elevation of ground above/below sea level 2794'	
Latitude/Longitude (if known)		Latitude: 38.822175		Longitude: -122.792777		
Was the well directionally drilled? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No If yes, show coordinates at total depth. 784.1' North and 1192.8' West of surface location (surveys attached)						
Commenced drilling (date) 08/21/2011	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) 11/22/2011	9,479'	9,295'	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		DEPTH	
Name of production/injection zone(s) Fransiscan	<div style="border: 2px solid blue; padding: 10px; display: inline-block;">RECEIVED</div>		Formation and age at total depth Jurassic		Base of fresh water	

DATE	STATIC TEST (Shut-in well head) Pressure (psig)	PRODUCTION TEST DATA								
		Total mass flow data				Separator data				
		Sic Pressure (psi)	Orifice (Inches)	Rate (lbs/hr)	Enthalpy (Btu/lb)	Temperature (°F)	Sic Pressure (psi)	Temperature (°F)	Steam Rate (lbs/hr)	Water Rate (lbs/hr)
11-16-2011	Rig Test / Wet Test			41.2 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	750'	94#	J-55 BTC	26"	735 sx	surface
13-3/8" and 9-5/8" liner	surface 2802'	3159' - 3081' 4512'	72# 43.5#	L80 BTC L80 H521	17-1/2" 12-1/4"	1226 sx 410 sx	surface 2802'
7" slotted/blank liner with 8-5/8" receptacle	2698' hot 2723' cold	9479'	29#	L-80/Cr13 VAM ACE	8-1/2"	N/A	N/A
7" tieback	surface	2743'	29#	L-80/Cr13 VAM ACE	13-5/8" casing	N/A	N/A

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