

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

WELL SUMMARY REPORT — GEOTHERMAL

API Well No. 033-90479

Operator Geysers Power Company, LLC		Well L'Esperance-1					
Field Geysers		County Lake County		Sec. 6	T. 11N	R. 8W	B.&M. M.D.
Location (Give surface location from property or section corner, street center line.) 982' South and 2188' West of NE corner of Section 6						Elevation of ground above/below sea level 2827'	
Latitude/Longitude (if known)		Latitude: _____		Longitude: _____			
Was the well directionally drilled? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No If yes, show coordinates at total depth. 1067' South and 702' West from surface location (surveys attached)							
Commenced drilling (date) 11/8/08	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) 1/28/09	10,956'	10,631'	N/A	Which is 30 feet above ground			
Commenced production/injection (date) Pending pipeline hookup	Junk N/A			GEOLOGICAL MARKERS See Attached Lithology Log		DEPTH	
Name of production/injection zone(s) Franciscan				Formation and age at total depth Jurassic		Base of fresh water	

DATE	STATIC TEST (Shut-in well head)		PRODUCTION TEST DATA									
	Pressure (psig)	Sfc Pressure (psi)	Total mass flow data					Separator data				
			Orifice (Inches)	Rate (lbs/hr)	Enthalpy (Btu/lb)	Temperature (°F)	Sfc Pressure (psi)	Temperature (°F)	Steam Rate (lbs/hr)	Water Rate (lbs/hr)		

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	227'	86.61	line pipe	26	600	
16"	Surface	1,804'	75	K-55	20-1/2	3,150	
11-3/4"	1,599'	7,131'	54/60	K-55/S-95	14-3/4	3,750	
13-3/8" x 11-3/4"	Surface	1,599'	61/54	K-55	16" csg	1,100	X-over @ 508'
11-3/4"	Surface	508'	60	N-80	13-3/8" csg	88	
8-5/8"	3,100'	10,043'	36/40	L-80	10-5/8"	N/A	Blank/slotted liner
7"	10,043'	10,371'	29	L-80	8-1/2"	N/A	Slotted liner

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

7" 10043' - 10371', 0.25" X 2" Slots, 6 Rows, 12 Slots/Ft
8-5/8", 3485' - 6702' (Alternating joints blank/slots); 6702' - 10043' (All slots), 0.25" x 2" slots, 10 Rows, 20 Slots/Ft

Logs/surveys run? Yes No If yes, list type(s) and depth(s).
Casing inspection log: Surface - 6972'

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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