RESOURCE	VALUE	UNITS	REFERENCE
Surface Temperature (2020)	15.8	degrees	Dahal, 2012
Average Geothermal Gradient	100	K/km	Crowell, 2014
Initial Average Reservoir Temperature	149	degrees	Schochet, 2001
Average Well Depth (near verical, MD)	**1.332**	km	
Production Well Temperature Loss	**11**	degrees	Lowry, 2017
Production Temperature (@WH)	**138**	degrees	
Water Loss Rate	2%	% of injected water	Freeman, 2018 (SAM)
Production Flow Rate per Module (7 units)	40	kg/s	GETEM

CAPEX (per module)	VALUE	UNITS	REFERENCE
Drilling & Completions Costs	**$ 1,797,145**	USD (1 well)	Beckers, 2013
Wells per Module	2	well count per unit	
Surface Plant Costs	2000	$/kW (e)	Beckers 2013
Reservoir Stimulation per injection well	$ 1,250,000	USD	Lowry, 2017
Fluid Distribution Costs	**$ 425,173**	USD	Beckers 2013
Redevelopment Factor	0.85		pers. comm., Prestidge
Thermal Drawdown Threshold	**16.7**	degrees	GETEM
Thermal Drawdown Rate	0.5%		GETEM
Redevelop Every	**27**	years	
Exploration Success Rate	100.0%		
Total Capital Costs (exploration)	**$ 2,486,084**	USD	Beckers, 2013
Total Capital Costs (drilling)	**$ 3,594,290**	USD	Beckers, 2013
Total Capital Costs (non-drilling)	**$ 5,942,834**	USD	Beckers, 2013

POWER PLANT (Binary ORC modules)	VALUE	UNITS	REFERENCE
Plant Type	Binary ORC		
Plant Useful Life	30	years	Augustine, 2009
Units per module	7		
Output per Unit	150	kW	
Expected Net Production	**1050**	kW	
Inlet Temperature (brine)	**138**	degrees	
Net Brine Effectiveness (be)	**7.45**	**59153**	w-hr/lb, w-s/kg; GETEM
Parasitic Pumping	120	kW	GETEM, 2006
Required Flow Per Module	40	kg/s	
Capacity Factor	95%		Glassly 2015
Degradation Factor	0.5%		NREL, 2002
Avg Net Power Output per Unit	**2.134**	MW (e)	

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