OPTIMISATION OF GEOTHERMAL RESOURCES IN KENYA BY ENERGY AND EXERGY CONCEPT LINKING SURFACE AND SUB-SURFACE THROUGH RESERVOIR-WELLBORE COUPLING

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	ENERGY	AND EXERGY	CONCEPT L	INKING	SURFACE AND
	SUB-SUR	FACE THROUGH	H RESERVOIR-	WELLB	ORE COUPLING
	(貯留層-	- 坑井カップリンク	ゲで地表と地下を	連結した	たエネルギーとエク
	セルギーの観点によるケニアの地熱資源の最適化)				
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## 論文審査の結果の要旨

This research updates the geothermal manifestation map of Kenya and investigates available exergy in Olkaria filed by exergoeconomics analysis while linking wellbore and reservoir to the surface by exergy concept. This dissertation has a great contribution to resource engineering because it delivers an overall understanding of optimal utilization of available energy in surface and sub-surface geofluids in Kenya to improve the sustainable utilization of geothermal resources. Therefore, this thesis is worthy of the degree of Doctor of Philosophy in Engineering.