

Morondava Basin, Offshore Madagascar: A Regional to Basin-Specific Review of Its Hydrocarbon Potential – A Bright Future Awaits

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ABSTRACT

The authors give an update to their previous papers (for list see reference [1]) on the petroleum geology and oil and gas potential of the Morondava Basin, Offshore Madagascar. They examine new pertinent ideas from other parties (e.g refs [2] to [6]) regarding the geological history and nature of the Davie Ridge, Mozambique Channel, West Somali Basin and Morondava Basin and, in this context, review and illustrate the different plays, play fairways, and prospects in the offshore Morondava Basin - before concluding that this could well be a future petroleum producing province of some note. References (this abstract) [1] An in-depth look at the petroleum potential of the Morondava Basin, Offshore Madagascar. Roberts, G.F., Christoffersen, T. and Jingwei, X. Poster at the Geological Society, East Africa Conference, London, April 2016. [2] The nature of the crust offshore East Coast Africa: When Geology and seismic meet potential fields in the Mozambique Channel. Bassias, Y., Roberts, G., Christoffersen, T. Poster at the HGS-PESGB 15th Conference on African E & P. Houston September 2016. [3] Mesozoic and Cenozoic Island connections in the Mozambique Channel. Bassias, Y. Poster at the HGS-PESGB 15th Conference on African E & P. Houston September 2016. [4] Exploration analogy between the offshore Morondava Basin, Madagascar, and the transform margin of West Africa. Tari, G and Rock, G. HGS-PESGB 15th Conference on African E & P. Houston September 2016. [5] How to identify oceanic crust – Evidence for a complex break-up in the Mozambique Channel off East Africa. Klimke, J., Franke, D., Gaedicke, C., Schreckenberger, B., Schnabel, M., Stollhofen, H., Rose, J., Chaheire, M. Tectonophysics. November 2015 [6] Gondwana break-up: no evidence for a Davie Fracture Zone offshore northern Mozambique, Tanzania and Kenya. Klimke, J and Franke, D. Terra Nova V 28, Issue 6, August 2016. Other workers on the region will be acknowledged in the main paper with a fuller list of References.