

Sand Production Management: The Critical Challenge in Zawtika Gas Production

Tanawat Junmano¹, Lee Boo Soon¹, Anan Amornprabharwat¹, Sutasinee Kittisupalauk¹, and Rangsan Bhengbhun¹

¹PTTEPI, Yangon, Myanmar (Tanawatj@pttep.com)

Abstract

Sand production continues to be a major challenge in many producing oil and gas assets worldwide. It can choke off production, reduce hydrocarbon recovery, eliminate the integrity of production facilities, and possibly cause disastrous facility failures and harm to personnel and the environment. As such, sand management becomes a priority when selecting appropriate sand control methods and equipment, and mitigation plans need to be addressed to reduce risks and harm resulting from sand production. Undertaken by PTTEPI, the Zawtika gas development project, located offshore Myanmar in the Moattama Basin, covering Block M-9 and a portion of Block M-11, lies within the Zawtika Development & Production Area. The area is situated approximately 300 km south of Yangon and 290 km west of Tavoy off the Myanmar coast. Nine structures of discovered gas resource volumes have been dedicated to the Zawtika gas development project. They will be developed over 3 phases, i.e. 1A, 1B and 1C, at a Daily Contract Quantity of 300 MMscfd sales gas. The GSA was concluded and signed between all parties on July 30, 2010. Gas production from Phase 1A development, comprising the first three 3 structures, has been being delivered to buyers since March 10th, 2014.