

Petroleum Engineering, Oil and Gas

December 06 -07, 2018 | Dubai, UAE

Challenges in deep water completion and subsea architecture design of S1 and Vashistha fields in Eastern Offshore India: A case study

Simmiti Swarna Raju, Alok Nandan, V N Saraf, E V Ramam and Amar Kaligi
Oil and Natural Gas Corporation Ltd., India

The Krishna Godavari basin which extends into the Eastern offshore of India is a major hydrocarbon hub of India with new developments. Although Hydrocarbons were discovered in the deep-water regions of eastern offshore in the KG basin long ago, development of the fields started only recently owing to the availability of proven and reliable subsea equipment and controls technology, developments related to vessel and rig stability and improved cost economics. The vessel and rig stability were very important factors because of the weather conditions that exist in the eastern offshore, India. Vasishta and S1 Gas fields are two such deep water fields located in water depths ranging from 300m to 700m in Eastern Offshore, India. VA-S1 field development project in G-1/Vasishta PML of erstwhile KG-OS-DW-IV block was one of the earliest deep-water projects in

the eastern offshore of India, was undertaken by ONGC with 100% participation interest and was completed in March 2018.

Speaker Biography

Simmiti Swarna Raju has completed his master's in chemical engineering, masters in operations management and has a work experience of 22 years in the oil and natural gas corporation, in the field of well testing and well completions. He has held various positions in the organization and has worked in some of the most challenging projects of the organization which include level 2 and level 3 dual completions, single CTU friendly ERD completions, high angle packer completions and segmented horizontal completions. He has worked as a production in charge and operations manager for various well completion projects in the Mumbai region. He is currently working in the Eastern Offshore, India in some of India's deepest water subsea well completion projects. Vashistha and S1 fields are a part of the eastern offshore field developments. He is a life member of Indian Institute of Chemical Engineers and a member of SPE.

e: raju_ss@ongc.co.in



Notes: