VIETNAM NATIONAL UNIVERSITY –HO CHI MINH CITY HO CHI MINH CITY UNIVERSITY OF TECHNOLOGY

VU VIET HUNG

ASSESSMENT OF UNCERTAINTIES IN THE FIRST STAGE OF DEVELOPMENT PHASE OF ST-X GAS FIELD (BLOCK 15.10 OFFSHORE VIETNAM)

Speciality: Petroleum

Speciality Code: 62.52.06.04

SUMMARY OF DOCTORATE DISSERTATION

This Research has been completed in University of Technology – Vietnam National University Ho Chi Minh City.
Scientific Supervisors 1: Dr. MAI CAO LAN Scientific Supervisors 2: Dr. NGUYEN CHU CHUYEN
Independent Reviewer 1: Independent Reviewer 2:
Reviewer 1: Reviewer 2: Reviewer 3:
The Dissertation will be defensed at the University Examination Council at the Conference room Building, HCMC University of Technology, 268 Ly Thuong Kiet Street, District 10, HCMC. at date month year 2018.

This Dissertation can be referenced at:

- The General Library of Ho Chi Minh City
- The Library of Ho Chi Minh City University of Technology

LIST OF PUBLICATION

- 1. Hung, Vu Viet; Lan, Mai Cao "On the appraising and Development of ST-X Field: Uncertainties and Challenges" The 8th International Conference on Earth Resources Technology, 2014, Vũng Tàu Việt Nam. Journal of Science and Technology Development, Vol 17, No.K5-2014:110-11.6.
- Vũ Việt Hưng, Mai Cao Lân "On the uncertainty assessment for the production forecast of gas condensate ST-X Field (Block 15.1, offshore Viet Nam)" Scientific research projects at the National University, 2015.
- 3. Vu Viet Hung, Phan Phuoc Gia, Nam Nguyen Van, Lam Son Joint Operating Company Nikhil Hardikar, Jos Pragt, Raveen Kumar, Baker Hughes "New Sampling-While-Drilling Technology In Horizontal Wells Saves Intervention Costs In Marginal Fields A Case Study From The Thang Long Field, Vietnam" SPWLA 56th Annual Logging Symposium, July 18-22, 2015, Long Beach California USA.
 https://www.onepetro.org/conference-paper/SPWLA-2015-IIII
- 4. Hung, Vu Viet; Son, Tran Thai "Production Technology Designed For Heavy Oil Recovery of A Marginal Field Offshore Vietnam" The 14th Science & Technology Conference on Earth Resources & Petroleum Engineering International Session, HCM University of Technology (HCMUT), October 2015. Journal of Science & Technology Development Vol 19, No.K1-2016: 180 191.
 - 5. Vu Viet Hung, Nguyen Van Nam, Phan Phuoc Gia, Tran van Xuan, Truong Quoc Thanh "Improvement in the Characterization of Thinly Laminated Sandstone Reservoir throughGeostatistical Inversion for Horizontal Development Well Placement: Case Study from Dong Do Field, Cuu Long Basin". The 14th Science & Technology Conference on Earth Resources & Petroleum Engineering International Session, Ho Chi Minh City University of Technology (HCMUT), Vietnam October 2015.

- 6. Tran Văn Xuan, Phan Phuoc Gia, Vu Viet Hung "Assessing the Oil and Gas Potential Based on Initial Water Saturation Analyzing and Modeling, Lower Oligocene sandstone, Blue Dragon Field". The 14th Science & Technology Conference on Earth Resources & Petroleum Engineering International Session, Ho Chi Minh City University of Technology (HCMUT), Vietnam October 2015.
- 7. Hung, Vu Viet; Lan, Mai Cao "Appraising and Developing ST-X Field: Determination of Uncertainties by DST Analysis" The 14th Science & Technology Conference on Earth Resources & Petroleum Engineering International Session, HCM University of Technology (HCMUT), October 2015. Journal of Science & Technology Development Vol 19, No.K1-2016: 27 34.
- 8. S.T. Tran, H.V. Vu, V.M. Le, T.N. Nguyen, L.H. Nguyen, Lamson Joint Operating Company; P. Prajunla, GE Oil & Gas Inc.; H.M.H. Dong, Eastsea Star Company: "Hybrid System of ESP and Gas Lift Application from Conceptual Design, Pilot Test to System Analysis", Paper SPE-184215-MS presented at the SPE Middle East Artificial Lift Conference and Exhibition held in Manama, Kingdom of Bahrain, 30 November–1 December 2016.

 https://www.onepetro.org/conference-paper/SPE-184215-MS
- 9. V.V.Hung, L.M.Vu, T.T.Son: "Determination Of Source And Breakthrough Mechanism Of Water Production In A Naturally Fractured Basement Reservoir By Analysing Water Production Data", PetroVietnam Journal, ISSN-0866-854X, Vol 6, Jun 2016: 28-35.
- 10. Kieu Anh Trung, Nguyen Minh Quy, Le Thi Thu Huong, Truong Van Dung, Vu Viet Hung, Hoang Long "Using geochemical method to determine the migaration of formation water" Petrovietnam Journal Dec 2017: 18-22.
- 11. Hung, Vu Viet; Lan, Mai Cao "ST-X Field: Uncertainties Assessment for Development Phase" The 11st South East Asean Technical University Consortium Symposium (SEATUC) Hồ Chí Minh City 13-14 March 2017.