



JOURNAL OF PETROLEUM AND GEOTHERMAL TECHNOLOGY

ISSUE NO. 1 VOLUME 4

PETROLEUM ENGINEERING DEPARTEMENT
UNIVERSITAS PEMBANGUNAN NASIONAL
“VETERAN” YOGYAKARTA

MAY 2023

ADVISOR

Dr. Boni Swadesi, MT.
Department Chief of Petroleum Engineering
Faculty of Mineral Technology
UPN "Veteran" Yogyakarta

CHIEF EDITOR

Dr. Suranto, MT.

PEER REVIEWER

Dr. Ir. Drs. H. Herianto, MT. (Ass. Professor PED, UPN "Veteran" Yogyakarta, Indonesia),
Dr. Suranto, MT. (Ass. Professor PED, UPN "Veteran" Yogyakarta, Indonesia),
Dr. Boni Swadesi, MT. (PED, UPN "Veteran" Yogyakarta, Indonesia),
Dr. Ir. Dyah Rini Ratnaningsih, MT. (PED, UPN "Veteran" Yogyakarta, Indonesia),
Silvya Dewi Rahmawati, S.Si, M.Si., Ph.D. (PED, Institut Teknologi Bandung, Indonesia),
Asral, PhD. (Ass. Professor MED, UNRI, Indonesia),
Idral Amri, PhD. (Ass. Professor CED, UNRI, Indonesia),
Ismail Mohd Saaid, PhD. (Ass. Professor PED, UTP, Malaysia)
Dr. Irawan Sonny (Ass. Professor SMG, Nazarbayev University, Kazakhstan),
Dr. Oki Muraza (Ass. Professor of KFUPM, Saudi Arabia).

EDITOR

M.Th. Kristiati E.A, S.T, M.T.
Allen Haryanto L., ST., MT.
Ratna Widyaningsih, ST., M.Eng.
Damar Nandiwardhana, ST., MT.
Ristiyan Ragil P., ST., MT.

SECRETARY

Jariyah
Riyanto

GRAPHIC DESIGN

Faritsi Luqman

PUBLISHER

Petroleum Engineering Department – Universitas Pembangunan Nasional "Veteran" Yogyakarta
JPGT is published every 6 (six) months.

EDITORIAL ADDRESS

Petroleum Engineering Department Buildings
Universitas Pembangunan Nasional "Veteran" Yogyakarta
Jl. Padjajaran 104 (Ring Road), Condongcatur, Yogyakarta 55283
Telp. (0274) 487814, Fax. (0274) 487813
E-mail : adminjest@upnyk.ac.id
Website: <http://jurnal.upnyk.ac.id/index.php/jest/index>

TABLE OF CONTENTS

Evaluation of Drill Bit Selection on Basement Layer Exploration Drilling in AFM Block Afi Maulana, Aris Buntoro, Dedy Kristanto	1 - 11
Acidizing Evaluation of Carbonate Rock in BDA-F Well, Jatibarang Field Andri Widyanata, Suranto, Nur Suhascaryo	12 - 19
Mineralogy and Rock Response Analysis Approach to Mitigate Wellbore Stability Issue in “B” Cluster of East Java Field Andi, Nur Suhascaryo, Suranto	20 - 29
Evaluation of Propellant/Stimgun Stimulation Works Using Geomechanical Analysis Based on Well Logging Data in an Effort to Increase Production at the EYP-211 YNK Structure Well in the Jambi Field Eko Yugi Priyatno, Aris Buntoro, Boni Swadesi	30 - 39
Flow Assurance Improvement by Injecting Pour Point Depressant Chemical through Permanent Coiled Tubing Gas Lift to Heavy Oil at MM-1 Well at MPA Field Harry Budiharjo, Nur Suhascaryo, Sebastianus Riskadarto	40 - 45
Technical and Economical Study on Increasing Oil Production in Old Wells (Traditional) by Performing Well Maintenance in the CP Field Boni Swadesi, K.R.T. Nur Suhascaryo, Ardi	46 - 57
Heat Loss and Cost Reduction of Insulation Materials on Geothermal Pipes Ristiyan Ragil Putradianto, Allen Haryanto Lukmana	58 - 65