Accepted Manuscript

Optimal Tracking Control of Artifical Gas-lift Process

Jing Shi, Ahmed Al-Durra, Igor Boiko

 PII:
 S0098-1354(18)30454-X

 DOI:
 10.1016/j.compchemeng.2018.05.011

 Reference:
 CACE 6110

To appear in: Computers and Chemical Engineering

Received date:23 October 2017Revised date:9 May 2018Accepted date:13 May 2018



Please cite this article as: Jing Shi, Ahmed Al-Durra, Igor Boiko, Optimal Tracking Control of Artifical Gas-lift Process, *Computers and Chemical Engineering* (2018), doi: 10.1016/j.compchemeng.2018.05.011

This is a PDF file of an unedited manuscript that has been accepted for publication. As a service to our customers we are providing this early version of the manuscript. The manuscript will undergo copyediting, typesetting, and review of the resulting proof before it is published in its final form. Please note that during the production process errors may be discovered which could affect the content, and all legal disclaimers that apply to the journal pertain.

Highlights

- Stability map of Artificial Gas-Lift (AGL) process is generated.
- A novel concept of optimal tracking control for AGL process is proposed.
- A nonlinear state observer is designed to estimate downhole pressures.
- A trajectory optimization algorithm is developed based on stability map.

ACTION

Download English Version:

https://daneshyari.com/en/article/6594653

Download Persian Version:

https://daneshyari.com/article/6594653

Daneshyari.com