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@article{Contreras2005DynamicSA,  
title={Dynamic simulation: a case study},  
author={Jorge Contreras and J. M. Ferrer},  
journal={Hydrocarbon engineering},  
year={2005}, volume={10}, pages={103-107} }  
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This case study confirmed that dynamic simulation can add value and predict mining system performance, such that informed decisions can be made. Introduction A dynamic simulation was conducted for the life of mine (LOM) extension project of Coal Mine A. Coal Mine A is situated in the north-eastern part of South Africa, in the Mpumalanga province and was established in 2007.

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Dynamic Simulation of Power Systems using Three Phase Integrated Transmission and Distribution System Models: Case Study Comparisons with Traditional Analysis Methods (Himanshu Jain) ABSTRACT (public) To ensure that electricity is delivered to consumers in a reliable manner, power system planners

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thermodynamic properties of each stream are calculated by using the Peng-Robinson equation of state, which is widely used in the oil and gas industry. 34, 35 Also, the standard van der Waals (vdW) mixing rules for a, b that require the knowledge of binary interaction parameters quoted by Danesh ...

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In the case of a new design, an initial sizing can be obtained by means of a steady state simulation and then it can be optimized based on its dynamic behaviour. Significant reduction in CAPEX is possible using dynamic simulation in different types of equipment, such as pressure vessels, tanks, control valves, etc.

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