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Well production planning and optimization by using CMG software

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Statement of the Problem: Reservoir engineer who have experienced problems in production optimization at their working field or industry. Production planning and optimization plays a key role in company's profit and their position in competitive oil sector because it leads to economic growth and sustainability of company. In recent years, Researchers have reported that usage of all data which available with them are not sufficient to analyze; they need to do more filtration of data and resolve the uncertainties in predictable zones of reservoir. However, this topic has been previously studied but it needs in depth way to get better results. The purpose of this study is to describe the importance of simulation tool usage in production optimization and planning. Methodology & Theoretical Orientation: The usage of cmg software tool to know number of wells, economical production of time and production rate. A framework was utilized to focus on the interaction between the well actual & theoretical production data to understand this relationship and the context in which it occurs.

Findings: The study will give more information about production analysis and future forecast of the production.

Conclusion & Significance: Software tools usage in production of oil from reservoir leads to more economical and appreciable results.