

# Eli B. Skeans

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(330) 631-9994

## Education

Colorado School of Mines, Golden, CO

**B.S. Petroleum Engineering**

Colorado State University

**M.S. Data Analytics, International Management**

The University of Akron

**B.B.A., International Business, Minor**

**Entrepreneurship**

**Competencies:** Reservoir simulation (CMG/ECLIPSE), DCA, Reserves, Economics, Spotfire, Python, R, SQL, Postgres, Spark

## Work Experience

**Independent Contractor** Morrison, CO

April 2022 – Present

*Data & Reservoir Engineer*

- Architect, manage and clean database (Postgres/MySQL) to achieve analysis goals
- Overcome management issues with large datasets. Utilize big data techniques to parse and analyze data efficiently when data set size hinders analysis
- Create customized dashboards (Spotfire/PowerBI/Tableau) and interactive visualizations for management or website media
- Built data base of all wells in the U.S. for advanced analysis and identification of business opportunities

**Surtek, Inc.** Golden, CO

August 2017 – May 2022

*Reservoir Engineer*

- Screen Reservoirs for feasibility of all EOR technologies using lab and field data
- Interpret field data for use in CMG reservoir simulations software for Chemical EOR projects
- Utilize reservoir engineering methods to history match pressure and production data for forecasting
- Integrate forecasts into dynamic economic model for field development plan evaluation

**Colorado School of Mines** Golden, CO

January 2019 – May 2021

*Adjunct Professor, Petroleum Data Analytics & Economics and Evaluation of Oil and Gas Projects*

- Design student projects utilizing the latest data science techniques with a focus in Spotfire, Python, and R (*Petroleum Data Analytics*)
- Develop assignments and projects which use economic principles as well as oilfield physics (DCA) for asset/project evaluation
- Assist in lecture and student lab activities

## Project Experience

**Project experience in continental U.S., Africa, South America, Middle East, and Canada**

- **Kuwait:** Massive sandstone and fractured carbonate reservoirs for three different reservoirs. Modeling included screening for miscible gas injection and pilot development for CEOR technologies
- **Suriname:** Assisted in EOR dynamic modeling for shallow sandstone reservoir
- **U.S.:** EOR modeling in IMEX for investigation of biopolymer application in largest conventional oilfield in Colorado; Field valuation of multiple U.S. assets
- **Libya:** Upscaling of laboratory data to full field model for fractured carbonate
- Asset valuation: Convert provided field data into custom economic models paired with DCA for asset valuation

## Profile

**Publications:**

**SPE-194909**, Sabriyah Lower Burgan Field EOR Development Study: Use of Sacrificial Wells to Minimize Water Encroachment; **SPE-207763**, Design of an Economical Polymer Flood Pilot Addressing Field Development Uncertainties in the Sabriyah Upper Burgan Reservoir of North Kuwait; **SPE-200409**, Instow a Full Field, Multi-Patterned Alkaline-Surfactant-Polymer Flood: Analyses & Comparison of Phases ½

**Accomplishments:**

Benjamin A. Gilman International Scholar, Tau Beta Pi Scholar, Magna Cum Laude