

**LOIS KAMGA-NGAMENI**

16275 E. Crestline Pl,  
Centennial CO, 80015

[lkamgang@mines.edu](mailto:lkamgang@mines.edu)  
[kamgalois@gmail.com](mailto:kamgalois@gmail.com)

Cell: +1 720 688 5609  
WhatsApp: +1 240 441 1180

## U.S Citizen

Petroleum Engineer by training with a degree in Operation Research and a high level of analytical and strong problem-solving skill; has an understanding of workflow and data management. Extremely well adaptable and hard worker.

### 1. EDUCATIONAL BACKGROUND

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#### Colorado School of Mines

Colorado, USA

#### Interdisciplinary Studies (Petroleum Engr and Operation Research/Data Analytics)

Spring 2017 – Not Det

- Major GPA: 4.00/4.00

#### Master of Science in Petroleum Engineering

Fall 2013 – Fall 2016

- Major GPA: 3.65/4.00

### 2. PROFESSIONAL EXPERIENCE

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#### Colorado School of Mines

Golden, CO, USA

Mining Department

Summer 2018

- Predicting natural fracture propagation based on natural fracture
- Work done using combination of Matlab and COMSOL

#### JeanAkins Consulting

Lakewood, CO, USA

Part – Time – New Venture RE

January 2016 – May 2018

*Consulting firm based in Denver*

- Led multidisciplinary approach to field evaluations including DCA, reservoir simulation, and petrophysical modeling
- Presented technical overview and recommendations on recompletions, optimal well spacing, and efficiency improvements to senior management teams
- Built database of analyses for emerging basins detailing PVT properties, volumetric parameters, production decline analysis
- Reservoir evaluation to determine hydrocarbon resource-in-place across the play area using PVT data. Development of multiple correlations to calculate OOIP / OGIP (from a variety of available parameters – oil gravity, production GOR, temperature, etc).
- Results used for current development areas and valuation of future exploration areas across the play.

#### Pioneer Energy

Lakewood, CO, USA

Reservoir Engineer-New Venture

Summer 2015

*Gas flaring reduction*

- Focused on marketing the product in DJ Basin –work involved extracting and analyzing data of operators
- Integrated team to design a 5-year business plan for an E&P company
- Economic evaluation of project delivered and presented to executives

#### BP Exploration

Houston, TX, USA

Reservoir Simulation Engineer

Summer 2014

*Top Exploration and Production Company*

- Worked within the Appraisal team of BP: Simulation and Modeling for the newly acquired field in the coast of Brazil
- Design the wellbore hydraulic and surface network taking into consideration several scenarios
- Validate the Recovery Factor for the field and designed several development scenarios for the field
- Successfully delivered a positive cash flow project to the development team – Project approved and moved to development

#### Braxo Consulting

Golden, CO, USA

Completion Engineer Intern

Summer 2013

- Performed DCA and compared to volumetric for wells in the Permian Basin
- Reviewed post job reports and identified trends and errors

#### Reservoir Simulation with MATLAB

Golden, CO, USA

Reservoir Engineering Studies

2013 - 2013

- Developed a MATLAB code to solve radial flow problem for vertical well at two different cases: constant rate and constant bottom hole pressure – DJ Basin field study

### 3. SKILLS

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Working knowledge of: ARIES, ECLIPSE, Spotfire, Monte Carlos Simulations, PETREL, FracCade, Oracle, and SQL.

Very proficient in all Microsoft and able to CODE in several languages

#### **4. LANGUAGE**

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Native French and English speaker, fluent in Spanish and basic Portuguese conversational

#### **5. ADDITIONAL INFORMATION**

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- Social Chair of Graduate Student Government Board (Fall 2015 - Present)
- CO-Founder of Colorado School of Mines African Student Union (Spring 2015 - Present)
- Petroleum Engineering Representative at the Graduate Student Government Board (Spring 2014 – Fall 2015)
- Best Forward in the New Mexico Tech Rugby Team – out of 25 players (Fall 2009)
- Captain on the New Mexico Tech intramural Soccer team – lead 11 players to the championship
- Award for the best Leader in French Club (Spring 2005 & 2006)
- Co-Founder and Vice-President of the African Student Union (2006-2007)
- Denver Polo Club (2017 – Now)