

# Jun Ge

## Professional Summary

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## Professional Preparation

### Academic Background

- Ph.D., Department of Civil Engineering, University of North Dakota, May 2018
- M.S., Department of Petroleum Engineering, Texas A&M University, December 2009
- M.S., School of Earth and Space Sciences, Peking University, July 2003
- B.S., School of Geosciences, China University of Geosciences (Wuhan), July 2000

### Professional Appointments

Research Scientist Associate, Bureau of Economic Geology, UT Austin (March 2019-Present)  
Working on Delaware Basin hydrogeological modeling for TexNet Seismic Monitoring Program and Center for Integrated Seismicity Research.

Reservoir Engineer, Energy and Environmental Research Center, University of North Dakota (July 2011-February 2019)

- o In charge of constructing geomechanical models for several DOE and/or industry-funded projects (including the Bell Creek Project with DOE and Denbury) on CO2 sequestration and CO2 EOR in PCOR (Plains CO2 Reduction) Partnership.

- o Worked on the Bakken Production Optimization Program (BPOP).

- o Project management of evaluation of saltwater disposal options for Oasis.

- o Led simulation work in CO2 storage resources project for evaluations on factors that affect CO2 storage efficiency in deep saline formations and CO2 EOR recovery factor in some oil and gas fields.

- o Led simulation work in project "Field Implementation Plan for a Williston Basin Brine Extraction and Storage Test (BEST Phase I)," and did simulation work for BEST Phase II.

- o Worked on natural fracture evaluations on several oil fields in Bakken, Williston Basin, and performed as key researcher on DFN (Discrete Fracture Network) fracture analysis.

- o Did reservoir engineering work on the Denbury CO2 Sequestration Project, and led reservoir simulation work for the CarbonSafe Project.

Petroleum Engineering Intern, Golder Associates Inc. (July-September 2010)

- o Participated in developing and testing a hydraulic fracturing simulator for naturally fractured tight gas reservoirs

- o Performed pressure decline analysis for a Barnett Shale hydraulic fracturing project, and participated in the wrapping up of the final version of FracMan 7.30

## Areas of Expertise

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- o Reservoir modeling and simulation
- o Rock mechanics and hydraulic fracturing
- o CCS and CO2 EOR
- o Waste subsurface disposal

## Presentations

### Presentations

Evaluation on saltwater disposal potential: from large basin scale to restricted field scale: presented to Bureau of Economic Geology, The University of Texas at Austin, presented at Friday Seminar, Bureau of Economic Geology, Austin, Tex., January 24, 2020.

## Activities of a Professional Nature

### Professional Societies

- o American Rock Mechanics Association (ARMA)
- o Society of Petroleum Engineers (SPE)
- o American Geophysical Union (AGU)

## Publications

### Published Abstracts

Ge, J., Hosseini, S. A., Smye, K. G., Banerji, D., Nicot, J.-P., and Hennings, P., 2019, Hydrogeological modeling and pore pressure characterization of Delaware Mountain Group in the Delaware Basin, Texas and New Mexico (abs.): Abstract H51L-1640, presented at AGU 2019 Fall Meeting, San Francisco, Calif., December 9-13.