Gabrielle Bennett

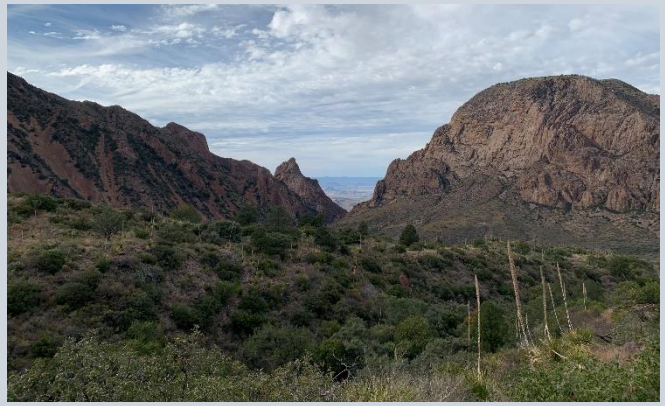
MS Candidate 2022-2024
MUDTOC Research Assistant

COLORADO SCHOOL OF MINES
MUDTOC

Background

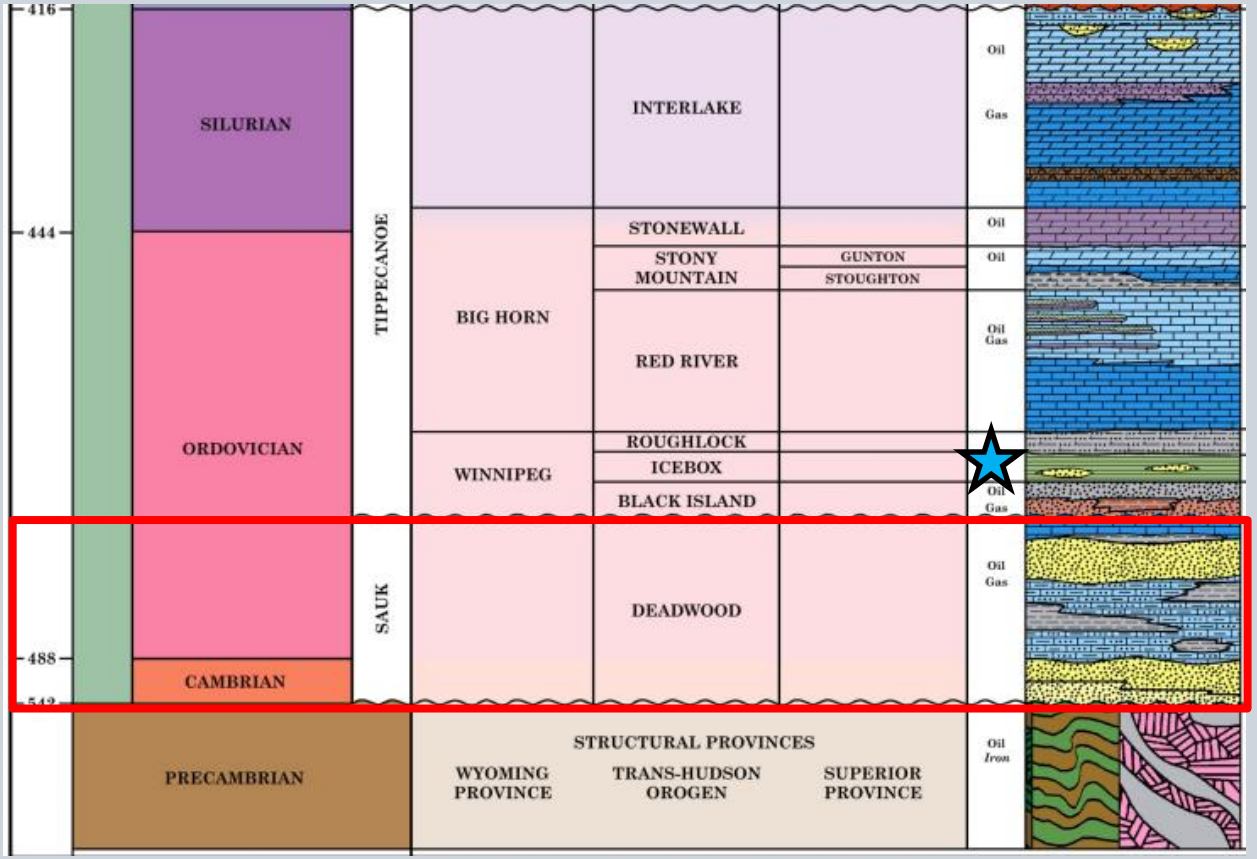
- Education
  - ➢Texas A&M University- College Station
    - B.S. Geology
    - Minors: Geographic Information Systems Technology & Spanish
- Professional Experience
  - ➢EOG Resources-Midland
    - Senior Geological Technician – New Mexico Team
- Thesis Area
  - ➢Reservoir Characterization of the Deadwood Formation, Williston Basin

About Me



Thesis Area

Sarnoski, 2015; edited by Bennett, 2022



North Dakota Geological Society Website, edited by Bennett, 2022

- Black Hills, SD - Field Work
- Current Geothermal Project – DEEP Corp.
- Grand Forks, ND - Core Lab
- Source Rock

The Deadwood Formation

- Cambrian/ Ordovician in age (480 – 500 ma)
  - Mostly siliciclastic with minor carbonate beds in the upper sections
    - Interbedded with siltstone, claystone, and mudstone (Nesheim,2021)
  - Characterized into three members
- Resource Opportunities
  - Out of all wells drilled in Deadwood/Winnipeg, only 15 productive wells in North Dakota (Nesheim, 2021)
  - Geothermal energy – Deep Geothermal wells in the Deadwood - DEEP Corp Saskatchewan, Canada
  - CCS: Aquisitore Project - SaskPower Saskatchewan, Canada
  - Helium: Commercially Produced in 1960-70s and resumed in 2014; Swift Current, Saskatchewan (Nesheim, 2021)
- Reservoir Characterization from a geothermal, carbon capture sequestration, and petroleum system approach

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