

G015-D
Geomechanical Study of Bakken Formation in the Nesson Anticline Area,
Williams County, North Dakota
Submitted by University of North Dakota
Principal Investigator: Dr. Zhengwen Zeng
Request for \$181,685; Total Project Costs \$377,967

Technical Advisor's Comments:

- The project will study work with available core data and well logs to develop a geologic analysis, and numerical models of the rock mechanical properties of middle Bakken reservoir.
- The project will determine the in-situ stress field of the Middle Bakken and measure the geomechanical properties of the reservoir.
- But there are multiple objectives for this project
- A major goal of the project is to create a teaching lab that also functions in the real world.
- The intent is to educate local students to be integrated into the local industry and attract students to the area.
- I believe this goal alone is significant
- There is a shortage of workers in the industry
- Attracting engineers to work in the State is already difficult
- Home-grown and educated students are easier to retain or more likely to return to the State at some time in their career.
- Dr. Zhengwen Zeng has already placed some students into the local workforce
- The program does have industry support, and with growth that should increase.
- Both reviewers recommend funding should be considered.

Technical Advisor's Recommendation:

The Technical Advisor recommends funding.