The Boone Pickens School of Geology has a strong and growing national and international reputation for excellence in research and teaching in the applied geosciences, especially in petroleum related disciplines. Our strength is a combination of core faculty expertise, committed graduate and undergraduate students, support of the university and a history of forging strong industry partners. Over the next decade, Oklahoma State aims to improve its geosciences learning environment with the addition of a Core Research Facility that will springboard research, teaching and OSU’s standing as a leading institution in geology.
ESTABLISHING OSU AS A PREMIER GEOLOGY PROGRAM

A new Core Research Facility will maximize momentum for the Boone Pickens School of Geology and support compelling research, grow grant revenue and poise the School to be a leader in emerging research by firmly establishing infrastructure necessary for future technologies.

ABOUT THE CORE RESEARCH FACILITY

- The 6,500-square-foot Core Research Facility will provide a unique addition to the School’s research and teaching capabilities, utilizing subsurface core materials
- More than a repository, the Facility will house active research, which currently exceeds $3 million in funding
- New undergraduate and graduate programming opportunities will emerge, including reservoir rock analysis for the new Petroleum Engineering Department
- OSU will be able to host geology professionals from around the world for industry short-courses and core workshops in reservoir characterization and other topics. It will also support public outreach as is OSU’s mission as a land-grant institution.
- Building plans include a grinding and polishing lab, thin section preparation, an area designated for coloring and porosity and permeability, significant layout and review space as well as office space and a conference room
- Because the Facility will be a one-stop-shop for the treatment, storage and analysis of core samples (a rarity in the region) OSU will naturally grow and strengthen industry partnerships with companies seeking work through the Facility.

As a result, OSU students will have a better and more comprehensive understanding on core samples and their extensive uses.

The total cost to build, equip and endow the Core Research Facility is $3 million ($2M construction; $500,000 equipment, and $500,000 endowment for maintenance and technology support).

The Dean of the College of Arts & Sciences, Dr. Bret Danilowicz, has allocated $500,000 towards the construction of this facility, formally launching the fundraising efforts for this priority geology facility.

Core analysis is a key building block for workflows which lead to an understanding of drivers for economic success in unconventional reservoir exploration and development.

Unconventional reservoir core analysis is tightly held technology with non-standard equipment and processes used by the different commercial vendors serving the oil and gas industry. Research in this area along with the integration of reservoir and mechanical engineering will put OSU at the forefront in this emerging sphere of technology.”

- Jeff Miller, President of Oakspring Energy, Oklahoma City, Oklahoma
Core materials play a significant role in our understanding of geology in the subsurface. As part of this initiative, OSU will be expanding the educational experience of our students as they are exposed to various geological aspects and technologies that are only possible through the study and evaluation of subsurface core materials. OSU students will have the opportunity to learn state-of-the-art technologies and applications that help in finding and managing the nation’s subsurface geological resources.

• **G. Michael Grammer**, Professor and Chesapeake Energy Chair of Petroleum Geology

The Core Research Facility will be a testament to OSU’s standing as a premier geology program. It will strengthen and enhance connections already established with major industry partners and will get Oklahoma State University noticed on an international level.

There are many ways to get involved and several naming opportunities for the project exist.

To find out how you can help advance the Boone Pickens School of Geology, contact:

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As the private fundraising organization for Oklahoma State University, the OSU Foundation exists to unite donor and university passions and priorities to achieve excellence.

The Foundation manages donor contributions so the university can provide the most advanced educational opportunities to students. From scholarships to community programs to important research, OSU donors generously support the spirit and tradition of Oklahoma State University's land-grant mission.

As state funding for higher education remains stagnant, private support is critical in order to maintain the momentum established during *Branding Success*: The Campaign for OSU, which concluded in December 2014.

OSU supporters fuel our historic growth and unprecedented excitement. We continue to witness an ongoing transformation at Oklahoma State, and all gifts help ensure we continue this tradition of excellence.