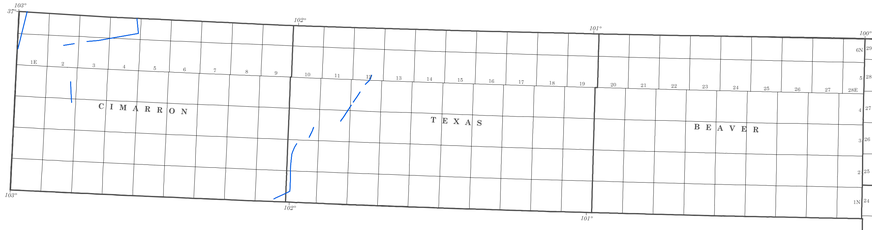
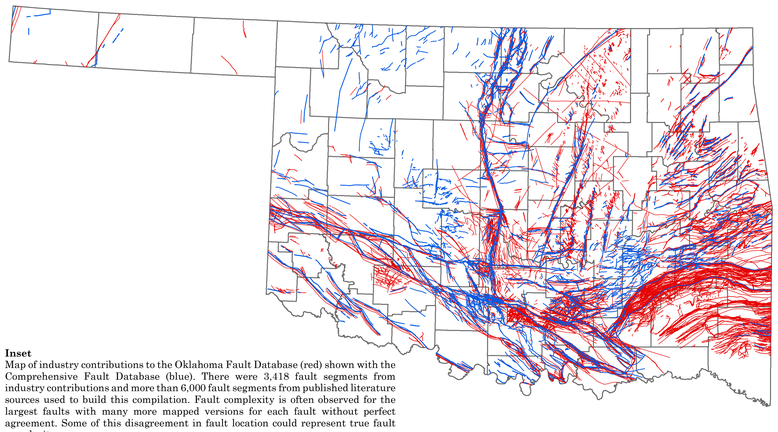
OKLAHOMA GEOLOGICAL SURVEY
Jeremy Boak, *Director*

OPEN-FILE REPORT OF1-2016
Industry Contributed Fault Map of Oklahoma





Inset
Map of industry contributions to the Oklahoma Fault Database (red) shown with the Comprehensive Fault Database (blue). There were 3,418 fault segments from industry contributions and more than 6,000 fault segments from published literature sources used to build this compilation. Fault complexity is often observed for the largest faults with many more mapped versions for each fault without perfect agreement. Some of this disagreement in fault location could represent true fault complexity.

Summary
This report is a compilation of surface and subsurface faults in Oklahoma based on available data contributed by the oil and gas industry as of May 2016. The data were compiled in voluntary cooperation with members of the Oklahoma Independent Petroleum Association (OIPA). Compilation of this database continues to be updated and the OGS welcomes additional contributions. This effort is issued as a preliminary release in order to make the information available in a timely fashion. The faults in this publication represent multiple possible interpretations of surface and subsurface faults.

Acknowledgements
We would like to acknowledge the Oklahoma Independent Petroleum Association for its leadership efforts in making the fault database contributions from industry possible. In addition, the authors would like to thank all of those who have worked and continue to work on the Oklahoma Fault Database including Stephen Marsh and Russell Standridge. This work was partially funded by Research Partnership to Secure Energy for America project number 12122-91.

Open-file Report Disclaimer
Open-File Reports are used for the dissemination of information that fills a public need and are intended to make the results of research available at the earliest possible date. Because of their nature and possibility of being superseded, an Open-File Report is intended as a preliminary report not as a final publication. Analyses presented in this article are based on information available to the author, and do not necessarily represent the views of the Oklahoma Geological Survey, the University of Oklahoma, their employees, or the State of Oklahoma. The accuracy of the information contained herein is not guaranteed and any mention of trade names are not an endorsement by the author, the Oklahoma Geological Survey, or the University of Oklahoma.

INDUSTRY CONTRIBUTED FAULT MAP OF OKLAHOMA

By
Stephen Holloway, Austin A. Holland and G. Randy Keller
May 2016