

MUDTOC CONSORTIUM: INCEPTION: JAN 1ST, 2016 (ONGOING)

{INCLUDES RESEARCH FROM: BAKKEN: 2009-2016, NIOBRARA: 2010-2017, VACA MUERTA: 2013-2016}

Archival Research (Completed before given consortia was rolled into MUDTOC)

NIOBRARA CONSORTIUM – COMPLETED RESEARCH (2017)

1. **Elvan Aydin:** Pore Characterization and FESEM Analysis of the Niobrara Formation in Aristocrat Angus PC H11-07 Core, Wattenberg Field, Denver Basin, CO (Anticipated MS Geology Jan, 2017)
2. **Evan Allred:** Geochemical and Source Rock Analysis of the Sharon Springs Member of the Pierre Shale Formation, Denver & Piceance Basins, CO (Anticipated MS Geology, Spring 2017)
3. **Daniel Brugioni:** Fault, Fracture and Porosity Analysis of the Niobrara Formation, Wattenberg Field, Denver Basin, CO (Anticipated MS Geology, Spring 2017)
4. **Steve Crouch:** Clay Characterization of the Codell Sandstone, Northern Denver Basin (Anticipated MS Geology, Spring 2017)
5. **Caleb Garbus:** Structural styles of the Niobrara Formation (Anticipated MS Geology, Spring 2017)
6. **Michael Harty:** Stratigraphy and Depositional Environment of the Upper Cretaceous Juana Lopez Member of The Benton Shale, North and Middle Park Basins, CO (Anticipated MS Geology, Spring 2017)
7. **Julia Wood:** Regional Petroleum Geology of the Fort Hays Member of the Niobrara Formation (Anticipated MS Geology, Spring 2017)

NIOBRARA CONSORTIUM – COMPLETED RESEARCH (2016)

8. **Ben Dellenbach:** An Outcrop to Subsurface Stratigraphic Analysis of the Niobrara Fm., Sand Wash Basin, CO (MS Geology, Spring, 2016)
9. **Hannah Durkee:** Geomechanical Evaluation and Reservoir Characterization of the Greenhorn Formation, Wattenberg Field, Denver Basin, CO (MS Geology, Spring, 2016)
10. **Isabel Gary:** Petroleum Potential of the Niobrara Formation: B Chalk and Marl in the East Pony and Redtail Fields, Denver Basin, CO (MS Geology, Spring, 2016)
11. **Andrew Heger:** Stratigraphy and Reservoir Characterization of the Turner Sandy Member of the Carlile Shale, Powder River Basin, Wyoming (MS Geology, December, 2016)
12. **Marcus Hinricher:** A Comparison between Basin Margin Oil Potential and Basin Centered Dry Gas Potential within the Tow Creek Member of the Upper Cretaceous Niobrara- Mancos Shale, Piceance Basin, Colorado (MS Geology, Spring, 2016)
13. **John Stamer:** Geologic Reservoir Characterization of the Codell Sandstone, Wattenberg Field, CO (MS Geology, Spring, 2016)

NIOBRARA CONSORTIUM – COMPLETED RESEARCH (2015)

14. **Rana El Ghoniny:** Petrophysical and Geochemical Assessment of the Niobrara, Wattenberg Field, Colorado (MS Geology, 2015)
15. **John Harper:** Chemostratigraphic and Geochemical Characterization on the Petroleum Potential of the Montezuma Valley and Juana Lopez Members of the Lower Mancos Shale, Piceance Basin, CO (MS Geology, 2015)
16. **Lindsay Hefton:** Diagenesis of the B Bench and the Fort Hays Members of the Niobrara Formation, Denver Basin (MS Geology, 2015)
17. **Devin Murray:** Geo-Mechanical Rock Properties, Niobrara, DJ Basin (MS Geology, 2015)
18. **Kazumi Nakamura:** Isotopic and Elemental Chemostratigraphy and Sequence Stratigraphy of the Greenhorn, Carlile, and Niobrara Formations, Denver Basin, Colorado (PhD Candidate, Geology 2015)
19. **Denton O'Neal:** Chemostratigraphic and Petrographic Characterization of the Niobrara Fm., Cemex Lyons Quarry, Lyons CO (MS Geology, 2015)
20. **Jennie Rietman:** Petrographic and Biostratigraphic Assessment of the Niobrara, Wattenberg Field, CO (MS Geology, 2015)

NIOBRARA CONSORTIUM – COMPLETED RESEARCH (2014)

21. **Elena Finley:** 3-D Seismic Characterization of the Niobrara Formation, Silo Field, Laramie County, WY (MS Geology)
22. **Nicholas Kernan:** Structural and Facies Characterization of the Niobrara Formation in Goshen and Laramie Counties, Wyoming (MS Geology)

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NIOBRARA CONSORTIUM – COMPLETED RESEARCH (2013)

23. **Tom Arthur:** Petroleum Geology of the Greater West Puerto Chiquito Field Area in Rio Arriba County, San Juan Basin, New Mexico (MS, Geology)
24. **Armagan Kaykun:** Sequence Stratigraphy of Lower Pierre Shale, Southern Powder River Basin, WY (MS, Geology)
25. **Martin Krueger:** Stratigraphy and Petroleum Potential of the Niobrara Fm, Piceance Basin, NW CO (MS, Geology)
26. **Vivian Lin:** Three dimensional Seismic Characterization of the Niobrara Fm, Moffat County, NW CO (MS, Geology)
27. **David Underwood:** Polygonal Fault Systems: A New Structural Style for the Niobrara Formation (MS, Geology)

NIOBRARA CONSORTIUM - COMPLETED RESEARCH (2012)

28. **Kelly Bruchez:** Regional Correlation of the Niobrara Formation Using Detailed Outcrop Studies, Sandwash Basin (MS, Geology)
29. **Mike Collins:** Natural Fracture Intensity and Mechanical Stratigraphy of the Niobrara Formation, Denver Basin (MS, Geology)
30. **Craig Kaiser:** A Petrophysical Analysis of the Petroleum Potential within the Greenhorn and Graneros Formations, Greater Wattenberg Area, North-Central Colorado (MS, Geology)
31. **Teresa Malesardi:** Petroleum Geology of Silo Field, Laramie County, Wyoming (MS, Geology)
32. **Melanie Peterson:** Tectonic Signatures Within and Above the Niobrara Formation in Denver Basin (MS, Geology)
33. **Lauren Stout:** Determining Carbon Isotope Stratigraphy of the Cretaceous Niobrara Formation (MS, Geology)
34. **James Taylor:** Petroleum Potential Niobrara Formation, Southern Powder River Basin (MS, Geology)
35. **David Thul:** Niobrara source Rocks of the Denver, Powder & Greater Green River Basins (MS, Geology)

NIOBRARA CONSORTIUM – COMPLETED RESEARCH (2011)

36. **Adam Anderson:** Codell Sandstone, northern Denver Basin (MS, Geology)
37. **Katarzyna Kuzniak:** New Stratigraphic Interpretations, Geochemistry, and Petrophysics of the Lower Mancos Group, Douglas Creek Arch, Northwestern Colorado, U.S.A. (MS, Geology)
38. **Alejandra Maldonado:** A Hydraulic Fracture Model for the Niobrara Formation (MS, Geology)