

PROFESSIONAL SUMMARY

- Responsibilities: Field Development Strategy, Development Drilling & Geosteering, Sweet Spot Identification & Targeting, Geologic Mapping, Exploration Play Analysis, Non-Operated Geologic Assessments
- Team Lead Positions: Business Unit Development Team and Utica Oil Window Valuation Team
- Petroleum System Analysis: Log Interpretation, Geologic Mapping, and Risk Assessment
- Basin Experience: Appalachian Basin (oil, wet gas, dry gas), Denver-Julesburg Basin (oil), Powder River Basin
- Software: GeoGraphix, Teton & SES Geosteering software, Petra, ArcMap, Genesis, Spotfire, Microsoft Office

PROFESSIONAL EXPERIENCE

Langdon Gas – Gillette, WY

Consulting Geologist *May 2018 - Present*

- Analyze acreage positions for acquisition in the Powder River Basin
- Provide geologic recommendation on areas of interest for business development team
- Utilize open hole logs and production data to identify potential pay zones for horizontal development

Chesapeake Energy Corp. – Oklahoma City, OK

Geologist *Sept. 2014 – Jan. 2018*

- Business Unit Development Team Lead in charge of geologic mapping, planning, and drilling of over 50 wells in the Utica/Point Pleasant Formation across oil, wet gas, and dry gas phases
- Monitored all geosteering, mudlogging, and open hole logging operations for assigned drilling rigs
- Completed competitor analysis of drilling, targeting, and completion throughout the basin in various formations and across all phase windows
- Analyzed 15+ non-operated opportunities across operating area (OH, WV, PA)
- Identified 10+ bolt-on and acquisition opportunities in the Utica/Point Pleasant Formation
- Initiated Utica Oil Window Valuation Team and lead multi-disciplinary group of reservoir engineers, landmen, and geologists to assess possible development of Chesapeake's position in Utica Formation oil window
- Participated in multiple geologic assessments across oil, wet gas, and dry gas phases in the Appalachian Basin including exploration play analysis of Weir, Berea, and Clinton Formations (WV, KY, and OH)
- Added 200+ locations in the Weir Sandstone (oil window) to the sale of shallow assets in the Appalachian Basin
- Completed a burial history model for the Point Pleasant Formation throughout eastern Ohio, northern West Virginia, and western Pennsylvania
- Expert witness at Ohio Department of Natural Resources in Unitization Hearings
- Utilized GeoGraphix, Teton geosteering software, Spotfire, ArcMap, and Genesis

Encana Oil & Gas USA – Denver, CO

Geologist *Oct. 2013 – Nov. 2013*

- Member of DJ Basin Asset Team in charge of planning and drilling horizontal wells in Niobrara & Codell Fm
- Utilized Petra and SES geosteering software

Geology Intern *May 2012 – Aug. 2012*

- Completed summer internship investigating Greenhorn and Codell Formations in the DJ Basin
- Confirmed the elements of the petroleum system using open-hole log analysis and analog play petrophysics
- Worked with land team to develop prospects within operating area and identified bolt-on opportunities
- Developed and presented a field exploration strategy to executive management team
- Learned to use SES Geosteering Software while drilling Niobrara and Codell Formation Wells

Department of Geological Sciences– University of Colorado – Boulder, CO

Teaching Assistant *Aug. 2011 – May 2012*

- Instructed two sections of 20+ students in Introduction to Physical Geology
- Mentored and employed a Peer Assistant to help teach and grade lab assignments
- Lead field-based laboratory course to local geologic points of interest

Department of Geology – Colgate University – Hamilton, NY

Summer Research Assistant – *May-August 2010 & 2011*

- Utilized Radiation Solutions, Inc. RS-320 handheld gamma-ray spectrometer to study outcrop of the Marcellus Shale of New York and Pennsylvania
- Compared field gamma-ray measurements to open hole gamma-ray measurements
- Conducted fracture and vein analysis of Utica Shale using 1,400+ strike and dip measurements, characterizations techniques, and photography

EDUCATION

University of Colorado – Boulder, CO - *August 2014*

Master of Science; Geological Science GPA: 3.62

Thesis: FIB/SEM Characterization Study of Organic Matter Porosity in the Niobrara Formation, Denver-Julesburg Basin

- Thesis downloaded 500+ times to date

Colgate University – Hamilton, NY - *May 2011*

Bachelor of Arts; Major: Geology, Minor: Geography

Thesis: Veins, Fluid Migration, & Hydrocarbon Generation in the Utica Shale, Northern Appalachian Basin, New York

CONTINUED EDUCATION

Stanford Lagunita: Reservoir Geomechanics

Fronterra: Fundamentals of Borehole Imaging Applications in Conventional and Unconventional Reservoirs

PetroSkills: Integration of Rocks, Log, & Test Data

SCA: Structural Styles in Petroleum Exploration

NExT: Basin Analysis & Petroleum Systems Modeling

Nautilus-Based Field Course: Fracture Architecture & Mechanical Stratigraphy- Monterey Fm, CA

CHK: Shale School, Well Log Interpretation, AAPG Petroleum Systems, GeoGraphix Courses

Rose & Associates: Unconventional Resource Assessment & Valuation

Stermole: Economic Evaluation & Decision Methods

Nautilus Course: Orientation to the E&P Business for the New Petrotechnical Professional

LEADERSHIP & AWARDS

Volunteer- Oklahoma Foundation for the Disabled – 2018
Regional Food Bank of Oklahoma, Oklahoma City – 2018

Membership- American Association of Petroleum Geologists (AAPG)
Rocky Mountain Association of Geologists (RMAG)
Oklahoma City Geological Society (OCCS)

Youth Mentor- Horace Mann Elementary School – Oklahoma City – 2016-2018

Men's Ice Hockey Team Member- Oklahoma City Adult Hockey League – 2014- Present

Young Professionals in Energy: Energy Forum- AAPG Representative – Oklahoma City Chapter – 2015

Vice President, AAPG Student Chapter – University of Colorado, Boulder – 2012

Presenter, AAPG Annual Convention – Houston, TX – April 2011

Presenter, Geological Society of America Northeast Section Meeting – March 2011

President & Team Member – Colgate University Men's Rugby Club – 2007-2011

Vice President – Colgate Undergraduate Geologic Society – 2010-2011