

CODY WATKINS

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Cell: (928)965-6928

EDUCATION

M.S. Degree, Geology

GPA: 3.73/4.0

Utah State University, Vernal, UT, December 2016

- “Hydrocarbon and CO₂ Emissions From Oil and Gas Production Well Pad Soils Comparative to Background Soil Emissions in Eastern Utah”
- Measured for methane, CO₂, and non-methane hydrocarbons (NMHC) soil emissions and total combustible soil gas at oil and gas production sites
- Conducted soil analysis of texture, pH, conductivity, and total organic carbon (TOC) related to soil emissions
- Compiled large data sets from sample sites and calculated emissions for a geographic area
- Developed a sampling plan using GIS software for site-specific oil and gas wells
- 2015 American Geophysical Union (AGU) Fall Meeting poster presentation in San Francisco, CA

B.S. Degree, Geology

Utah State University, Logan, UT, May 2014

- “Geochemical Analysis of Hot Springs Along the Brigham City Segment of The Wasatch Fault”
- Carbon, oxygen, and hydrogen stable isotopes to determine reservoir mixing waters
- Measured Na, Mg, and K concentrations to estimate reservoir temperature

WORK EXPERIENCE

Environmental Scientist I, *Freeport McMoRan Inc., Morenci Mine, AZ, May 2017-Present*

- Approve Waste Identification Profiles
- Participate in Waste Determinations
- Manage hazardous waste storage area and salvage yard
- Conduct monthly environmental audits
- Prepare Facility Annual Report
- Certified in RCRA, DOT and HAZWOPER

Geology Intern, *Bowie Resources, Skyline Mine, UT, May 2016-October 2016*

- Analyzed core from exploration drill holes to forecast mine plan
- Collected coal samples to project coal quality for contract sales
- Measured structural and stratigraphic features underground and projected on mine map using AutoCAD software
- Participated in drilling bid proposal by analyzing expenses

Graduate Research Assistant, *USU-Uintah Basin, Vernal, UT, August 2014-May 2016*

- Lab technician for Gas Chromatograph-Mass Spectrometry (GC-MS) and Total Organic Carbon (TOC) Analyzer
- Improved standard operating procedures by calibrating, trouble-shooting, and operating field and laboratory equipment
- Trained co-workers on the use of GC-MS, TOC Analyzer using Shimadzu software

Survey Assistant, *Uintah Engineering and Land Surveying, Vernal, UT, May 2014-August 2014*

- Assisted with the dimensions for proposed oil and gas locations using a Trimble GPS
- Completed OSHA, CPR, Safe Land, and H₂S training

ACHIEVEMENTS AND ACTIVITIES

Religious service, *Atlanta, GA, 2007-2009*

- Held leadership positions and trained new missionaries

Eagle Scout, *Vernal, UT, 2002*

- Directed family and friends in repairing city park benches
- Managed time and money

Family Farm, *Vernal, UT*

- Dug irrigation ditches, moved wheel line, installed fencing
- Cared for and transported livestock