

Chesney Petkovsek, GIT

Certificate #GIT-299
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Experience

Callon Petroleum Company (CPE): Houston, TX

July 2020 - Present

Advanced Geologist - Delaware Basin Operations Team

- Geologist for Delaware Basin Assets, including recent CRZ acquisition
- Interpret fault framework from seismic data, build structural framework for construction of CPE's Spur Asset geocellular model in Petrel

Callon Petroleum Company: Houston, TX

March 2019 - July 2020

Staff Geologist - Delaware Basin Operations Team

- Establish company's first research grant to fund clean energy projects
- Determine and implement stratigraphic methodology for incorporation of new asset areas using chrono, litho, and sequence stratigraphic concepts to merge datasets of differing depositional settings into a consolidated geomodel
- Oversee and plan geosteering and mudlogging operations for 92 wells in greater Permian Basin, including resultant cuttings analyses and interpretations of mass spec and XRF data
- Lead investigation for an adapted approach to development of WFMP C based on results from geobody mapping and pad-scale microseismic studies
- Recommended alternate WFMP B landing zone resulting in significant type curve outperformance
- Perform multivariate Spotfire analyses, build meaningful production plots and visualizations to support geologic targeting maps for exploration and delineation. Resulting maps added 4 wells in a previously untested bench to 2020 drill schedule
- Work with petrophysicist to design pilot and coring programs and provide field engineers with relevant well measurements. QC real time data and final deliverables
- Evaluation of FMI logs for more accurate determinations of maximum horizontal stress orientation, environment of deposition, and textural elements
- Collaborate with drilling engineers to design and implement optimized casing design program for 2nd Bone Spring development. Casing design was tested and proved successful

Callon Petroleum Company: Houston, TX

June 2017 - March 2019

Geologist - Delaware and Midland Basin Operations Team

- Geological evaluation and well placement for ~26,000 net acres in Delaware Basin and ~7,500 net acres in Midland Basin
- Quickly assess formation dependent complications and collaborate with drilling engineers and contractors to formulate strategy forward in Ward County area
- Perform offset operator analysis for emerging upside potential in Ward and Midland Counties, projects included MSBY Shale in Casselman asset, first WFMP C well in Spur asset, and first SBSG Shale well in Spur asset
- Provided geologic data for third party geomechanical modelling project, and worked with asset team, geophysicist, and petrophysicist to integrate and apply results to 1st "mega-pad" operation in Monarch asset area
- Geologist on site for full suite logging and sidewall coring of two field delineation wells
- Work with asset reservoir engineers, land, and regulatory to propose wells in highest return locations while satisfying lease obligations
- Build topical focus area slides for company investor and earning presentations

Department of Geology and Geological Engineering: Oxford, MS **August 2015 - May 2017**

Teaching Assistant – Sedimentology and Stratigraphy (Head TA), Geomorphology (Head TA), Mineralogy, Petrology, Historical Geology, and Physical Geology Laboratories

- Developed samples, projects, and lecture materials to illustrate complex spatial concepts, theory, and applied mathematical modeling clearly and concisely

EP Minerals Mining Company: Oxford, MS

December 2016

Exploration Special Project

- Oversee coring operation on location, conduct core analysis of five core runs, each from 90-160 feet of section, and record data for subsurface modeling in Leapfrog

Callon Petroleum Company: Houston, TX

May 2016 - August 2016

Geology Intern

- Contributed to geological and geophysical team tasked with conducting evaluation of approximately 20,000 net acres in Howard County acquisition
- Assisted in analyzing acreage to determine location and well plan of new salt water disposal well

Mississippi Mineral Resources Institute: Oxford, MS

August 2015 - May 2016

Undergraduate Researcher; petroleum geology/ Eason Lab Group

- Analyzed petrophysical logs to map subsurface geology of Jurassic Smackover Formation in Clarke County, MS

Department of Chemistry and Biochemistry: Oxford, MS

July 2014 - June 2015

Undergraduate Researcher; x-ray crystallographer/Dass and Watkins

Lab Groups

- Structure determination of gold alloy nanomolecules using a Bruker AXS single crystal x-ray diffractometer
- Applied problem solving skills and ingenuity to achieve anticipated solvent/solute interactions

Education:

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| Bachelor of Science in Geology, 2016 | Master of Science in Engineering, 2018 |
| University of Mississippi | University of Mississippi |
| School of Engineering | Emphasis: Geology |
| GPA: 3.8 – Cum Laude | GPA: 3.95 – Magna Cum Laude |

Master's Thesis: "Structural Controls and Depositional Environments of the Glen Rose Subgroup in Pelahatchie Field in Rankin County, Mississippi"

Grants and publications: IHS University Grant for Kingdom PAKaged Suite, Academic Add-on, and IHS Petra (2016), "Synergistic Effects of Halogen Bond and pi-pi Interactions in Thiophene-based Building Blocks," RSC Advances (2015)

Programs: Petrel, Spotfire, Geographix, ArcGIS, StarSteer, AutoCAD civil engineering, Adobe Illustrator, Stereonet, CrystalMaker, Bruker AXS Systems, Olex2, IP petrophysical software, MPlot

Relevant Courses Outside of Geology:

Shale Gas Geomechanics (URTeC), Applied Subsurface Geological Mapping (SCA), Fundamentals of Well Log Interpretation (Midland Community College), Petrel Geology (Schlumberger), Petrel Structural Modeling (Schlumberger), Petrel Property Modeling (Schlumberger), Engineering Analysis, Quantitative Methods in MATLAB, Engineering Geology, Engineering Economics, Microeconomics, Macroeconomics, Business Communication, Computer Science, Hydrogeology, Engineering Field Studies

Skills:

Self-motivation, ability to work in fast-paced environments, leadership, interpersonal communication, problem-solving, works well in teams, attention to detail, intellectual curiosity