

AMANDA KOHN
Geologist/Geomodeler



Contour Resources

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KANSAS STATE UNIVERSITY, MANHATTAN, KS

- Master of Science: Geology, May 2011
 - Thesis: Regional depositional environment analysis from core and log data, of the Tonkawa Sandstone, Anadarko Basin
- Bachelor of Science: Geology, May 2008
 - *Secondary major*: Natural Resources and Environmental Sciences
 - *Minor*: Business Administration

PROFESSIONAL PROFILE

Geologist experienced in working domestic and international assets, currently providing earth modeling consulting as well as evaluating mid-continent assets. Master of Science in Geology with a focus on sedimentation cycles and core analysis. Industry experience has focused on developing workflows from well correlation and analysis to advanced earth modeling and volumetric calculations, to determine optimum drill locations. Expertise includes identifying and correlating petrophysical markers and integrating disparate data to construct earth models. Particular technical interests include basin analysis and understanding risk and uncertainty throughout the asset development cycle.

Core Areas of Expertise:

- Prospect Evaluation & Generation
- Petrophysical Interpretation
- Earth Modeling
- Field Development
- Seismic Interpretation
- Well Planning

WORK EXPERIENCE

CONTOUR RESOURCES: Denver, Colorado, U.S.A.

- (2015 – present) **Principal Geologist and Founder**

Primary work includes geological evaluation, project management and technical software consulting. Focus is to deliver the best value to clients by providing expert geological solutions while maximizing efficiency and maintaining integrity.

 - Interpret and integrate G&G and RE data to define petrophysical and facies models for well placement and simulation
 - Correlate well logs, perform petrophysical calculations, and generate subsurface maps and well reports
 - Define stratigraphic and depositional framework to provide critical technical knowledge to decision making team

- Manage well and seismic data in software databases, keep projects up to date and organized, verify data imports
- High-grade acreage; recommend recompletion and buy-in opportunities for conventional and resource plays
- Find growth opportunities through innovative prospect development, track performance and manage assets
- Train, consult and mentor multi-disciplinary team evaluating Petrel, troubleshoot software and geological issues
- Coordinate geological software evaluation, prepare and present to management, support implementation process

SCHLUMBERGER: Denver, Colorado, U.S.A.

- (2010 – 2015) **Geologist, Schlumberger Software**

Expert understanding of Petrel allowed operations and development teams to become more efficient with enhanced multidisciplinary communication, saving time and reducing costs.

- Provided G&G Petrel support via remote and onsite assistance, training courses, and consulting
- Used GeoX to perform probabilistic modeling and risk analysis on unconventional assets, rank prospects and plays
- Increased support procedure efficiency; trained and mentored new geoscientists; encouraged collaboration
- Demonstrated latest Petrel technologies, organized and delivered lunch & learns; participated in industry events
- Liaised with sales team to target new clients and markets; provided technical product understanding for management
- Worked North American assets in the Permian, DJ, Powder River, Green River, and Williston Basins

SCHLUMBERGER: London, U.K.

- (2010 – 2012) **Geologist, Schlumberger Software**

While working overseas I gained valuable technical understanding of exploration methods used in offshore oil fields as well as unparalleled experiences leading and working with multinational teams in Schlumberger and major E&P companies.

- Acquired technical knowledge of multiple geologic software packages focusing on Petrel
- Transferred knowledge to clients, colleagues and management via consulting, teaching, and sales demos
- Validated software releases, submitted and tracked necessary enhancements, updated clients with improvements
- Supported development on assets worldwide with a focus on offshore Norway and West Africa

KANSAS STATE UNIVERSITY: Manhattan, KS, U.S.A.

- (2005 – 2010) **Graduate Teaching Assistant and Introductory Lab Coordinator**

- Prepared lectures and led meetings to familiarize new teaching assistants with lab exercises and materials
- Advised teaching assistants on issues including student performance, facilitate positive teaching in lab environments
- Taught three Introductory Geology lab sections per semester; 24+ students per section, graded assignments

- (2006 – 2007) **Research Assistant**

- Evaluated the spatial aptitude of student populations, analyzed student preconceptions about geology

GEOTECHNICAL SERVICES, INC: Wichita, KS, U.S.A.

- (2007 – 2007) **Field Geologist and Sampling Technician Intern**
 - Contoured groundwater flow and concentration maps; calculated purge volumes of wells and gradients; created reports

TRAINING & DEVELOPMENT

- Reservoir Engineering: PTTC
- Seismic Interpretation for Explorationists: PTTC
- GeoX Prospect Assessment Concepts and Applications, Value Assessment
- Seismic Surveillance for Reservoir Delivery: EAGE
- Barrier Island Depositional Environments of the Upper Texas Coast
- Petrel Advanced Property Modeling
- Petrel Fracture Modeling
- Petrel Seismic Attributes, Velocity Modeling
- Microseismic Evaluation
- Volumetric Calculations
- Petrel Studio and Data Management
- Successful Teaching and Training Techniques
- PetroMod Introduction: 1D, 2D and 3D
- Schlumberger Schools: 23 weeks including:
 - Petroleum Systems
 - Petrophysics
 - Geophysical Techniques, Acquisition and Theory
 - Sequence Stratigraphy, Clastic & Carbonates
 - Project Management
 - Sales and Marketing
- Carbonate Stratigraphy in Exploration and Development
- Structural Seismic Analysis
- Log Analysis: PTTC
- Reading the Rocks in Wireline Logs: PTTC
- Resource Analysis
- Remote Sensing and Petroleum Exploration

SOFTWARE EXPERTISE

- Extensive knowledge of Petrel Geology and Geophysical Modules
- Taught the following Petrel courses, as well as custom courses:
 - Fundamentals
 - Shale Fundamentals
 - Geology
 - Seismic Visualization and Interpretation
 - Structural Modeling
 - Velocity Modeling
 - Property Modeling
 - Applied Well Correlation
 - Mapping and Geologic Workflows
 - Workflow Editor and Uncertainty Analysis
- Petrel Shale for Geosteering, Well Pad Placement, Well Design, Production analysis
- GeoX to assess geologic and economic risk throughout exploration stages, developed workflow specific to unconventional
- Geographix used in consulting work for mapping, petrophysical calculations, well correlation and prospect development
- Petra and SMT Kingdom Interpretation classes taken, used in consulting engagements
- Familiarity with ArcGIS, Spotfire, SES Stoner, IHS Enerdeq, LogNet, DecisionSpace, Studio, Merak, PetroMod, Techlog

EXTERNAL MEETING PRESENTATIONS

Automated and Integrated Approach to Geosteering, RMAG Geosteering Forum, 2014
Unconventional Development with aid of Geospatial Imagery in Petrel, Spatial Energy Client Summit, 2014
Depositional Analysis of the Tonkawa Sandstone, Capital Graduate Research Summit, 2010

COMMUNITY INVOLVEMENT & VOLUNTEERING

Colorado School of Mines: Create custom Petrel training materials for students
Kansas State University: Facilitate Petrel and Techlog use on campus; assist in organizing training courses
Denver Metro Regional Science and Engineering Fair Judge
Imperial College London: Provide custom Petrel training for intensive senior project

ACTIVE SOCIETY AFFILIATIONS

Kansas State Geology Alumni Advisory Council
Rocky Mountain Association of Geologists: Continuing Education Committee
American Association of Petroleum Geologists
Junior League of Denver: Finance and Operations Council