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| ***Kurt Livo*** *(303)-501-0156**11960 W. 22nd Pl., Lakewood, CO 80215* klivo@mymail.mines.eduEducation:**Colorado School of Mines** Golden, COPh.D.-Petroleum Engineering; GPA 4.0 Expected: December 2019 *Minor: Geology***Colorado School of Mines** Golden, COM.S.-Petroleum Engineering; GPA 4.0 May 2016 *Thesis: Mineralogical Controls on NMR Rock Surface Relaxivity: A Case Study of* *the Fontainebleau Sandstone***Colorado School of Mines** Golden, COB.S.-Petroleum Engineering; GPA 3.42 May 2014 *Awards & Honors:* * Engineering-Days Scholarship Winner
* Dean's List-Fall 2009, Fall 2013-Spring 2014
* Honor Roll-Fall 2010, Fall 2011-Spring 2014

**Engineering & Technical Skills:*** NMR Petrophysical Analysis Using Low-Field NMR, SEM Imaging, BET Nitrogen Adsorption, Magnetic Susceptibility, Ultrasonic Seismic Interpretation, XRD Clay Analysis, CT Imaging
* Petra, Petrel, Oil Field Management (OFM) Software, Merak PEEP, Bengal AFE, Techlog, FracCADE
* SGeMS Reservoir Modeling Software, Visual Basic Programming, SolidWorks Design, ArcGIS
* Microsoft Word, Excel, Project, PowerPoint, Access, Outlook
* Economic Project Evaluation, Drawing, Data Mapping, Technical Drafting, Circuits Design
* Project Budgeting, Scheduling, Data Gathering, Computer Aided Data Acquisition, Technical Writing
* Well Logging, Drilling, Completions, Reservoir Fluid Properties, Petrophysics

**Work Experience:*****Internships:*****Schlumberger Petrotechnical Services, Denver, CO**  Summer 2014Reservoir/Production Engineering Intern* Evaluation of Production Potential within Mowry Unconventional Shale Play in Powder River Basin, Wyoming
* Utilized Petrel Modeling and OFM Forecasts to Review Completion Methodologies
* Fracture Modeling Using FracCade Software
* Identified Locations for Future Drilling and Suggestions for Future Completion Strategies
* Project Integration of Production Information with Geology and Petrophysics Using Petrel

**Freeport McMoRan Oil and Gas, Bakersfield, CA** Summer 2013Reservoir Engineering Intern* Field Planning and Development of a Steamflood in a Primary Drive Heavy Oil Field
* Worked with OFM and PEEP to Review Economics and Create Typical Wells for Evaluation
* Creation of Type Wells for Various Projects Based on Historical Data and Production Forecasts
* Heat Management Implementation with Surveillance Tools
* Identified Workovers and Stimulations for a Waterflood to Enhance Production

***Colorado School of Mines:*****Research Assistant – Colorado School of Mines** CurrentNuclear Magnetic Resonance Research Assistant* Performing Petrophysical Analysis on Core Samples for Reservoir Characterization
* Assisting Graduate Students in Data Collection for Thesis Proposals With Focus on

NMR Data Analysis* Completing Research for Dissertation

**Teaching Assistant – Oklahoma Field Session** Spring 2016Petroleum Engineering Field TA* Guided a Course in Petroleum Engineering Basics Focusing on Field Applications of

Geology, Production Engineering Methodologies, and Reservoir Engineering for Oil Production**Teaching Assistant – Colorado School of Mines** Spring 2014Production Engineering TA* Aiding Students in Learning Fundamentals of Production Engineering Methods and

Project Design**Teaching Assistant – Colorado School of Mines** Fall 2013Well Logging Fundamentals TA* Aiding Students in Fundamentals of Well Logging and Petrophysical Analysis
* Laboratory Coordinator for Techlog Software and Reservoir Analysis using Petrophysics

**Professional Activities:*** Member of Organic Clay, Sand, and Shale Research Consortia (OCLASSH)
* Contributor to the Center for Rock Abuse Research Consortia
* Society of Petroleum Engineers (SPE) - Student Member
* Society of Exploration Geophysicists (SEG) – Professional Member
* American Association of Petroleum Geologists (AAPG) – Professional Member
* American Geophysical Union (AGU) – Professional Member
* European Association of Geoscientists and Engineers (EAGE) – Professional Member

**Publications:*** Livo, K., Saidian, M., Prasad, M.: *Challenges of Pore Size Determination of Pure Sandstone Samples Using NMR* – Submitted to Journal of Geophysical Prospecting
* Saidian, M., Livo, K., Prasad, M.: *Effect of Paramagnetic Mineral Content and Distribution on Nuclear Magnetic Resonance Surface Relaxivity in Organic-Rich Niobrara and Haynesville Shales*- Submitted to Geophysics Journal.

**Presentations:*** Livo, K., Saidian, M., Revil, A., Prasad, M.: *Petrophysical Characterization of Fontainebleau Sandstone by Nuclear Magnetic Resonance*- Presented at the 3rd International Rock Physics workshop, Perth, Australia, April 2015.
* Saidian, M., Livo, K., Prasad, M.: *Effect of Paramagnetic Mineral Content and Distribution on Nuclear Magnetic Resonance Surface Relaxivity in Organic-Rich Niobrara and Haynesville Shales*- Presented at the Society of Exploration Geophysicists, New Orleans, LA, October 2015.
* Gulyev, A., Livo, K., Prasad, M.: *Determination of Pore Space Compressibility Using Nuclear Magnetic Resonance (NMR) Measurement*- Geological Society of America, Denver, CO, September 2016.
* Livo, K., Gulyev, A., Prasad, M.: *CO2 Injection Effects on Low-Field Nuclear Magnetic Resonance Response*- American Geophysical Union, San Francisco, CA, December 2016.
* Livo, K., Joewondo, N., Kumar, S., and Prasad, M.: *Investigation of CO2 Injection and Storage Using Low-Field 2 MHz Nuclear Magnetic Resonance and Supercritical Sorption Studies*- Presented at the 4th International Rock Physics workshop, Trondheim, Norway, June 2017.
* Livo, K. and Prasad, M. :*Effects of CO2 Injection and Kerogen Maturation on Low-Field (2MHz) Nuclear Magnetic Resonance Response*-Presented at the AGU Fall Meeting, New Orleans, LA, December 11-15, 2017.
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