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| ***Kurt Livo*** *(303)-501-0156*  *11960 W. 22nd Pl., Lakewood, CO 80215* klivo@mymail.mines.edu Education: **Colorado School of Mines** Golden, CO  Ph.D.-Petroleum Engineering; GPA 4.0 Expected: December 2019  *Minor: Geology*  **Colorado School of Mines** Golden, CO  M.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, CO  B.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 2014  Reservoir/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 2013  Reservoir 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** Current  Nuclear 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 2016  Petroleum 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 2014  Production Engineering TA   * Aiding Students in Learning Fundamentals of Production Engineering Methods and   Project Design  **Teaching Assistant – Colorado School of Mines** Fall 2013  Well 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. |