CASE NO. 21381
OCD Exhibit 1

Baylen L. Lamkin

More than 9 years of experience developing and implementing projects involving petroleum engineering, fluid mechanics, and regulatory applications.

PROFESSIONAL EXPERIENCE:

November 2019 to Present: Petroleum Engineer
New Mexico Energy, Minerals and Natural Resources Department, Oil Conservation Division, Engineering Bureau
1220 South St. Francis Drive, Santa Fe, NM 87505

Administrative permitting for development and management of oil and gas resources under the state Oil and Gas Act. These projects include technical review of administrative applications and preparation of orders for non-standard locations, pool delineations, and non-standard proration units. Technical reviewer of applications for Class II wells (including produced water disposal wells and enhanced oil recovery (EOR) projects) under New Mexico's primacy agreement with the U.S. Environmental Protection Agency (EPA) for its Underground Injection Control (UIC) Program under the Safe Drinking Water Act. Hearing examiner for Division hearings on protested and unprotested applications. Additional assignments include:

- Provide technical assistance to District personnel and General Counsel staff regarding compliance issues for produced water disposal wells and EOR projects.
- Develop protocols and guidance for UIC-related subjects such as induced seismicity, exempted aquifers and impacts on correlative rights.
- Recommend changes in rules and policies to reflect new technologies and processes.
- Provide expert testimony in hearings before the Oil Conservation Commission.

December 2017 to August 2019: Field Engineer, Completions and Stimulation
Calfrac Well Services
2401 Sivley Avenue, Artesia, NM 88210

Managed or assisted in projects involving engineering, fluid systems, and data analytics:

- Led team for "Project Ultrasense", a remotely operated, real-time chemical tracking project to reduce material variances and losses using guided radar and telemetry to accurately measure bulk fluids and solids used in the hydraulic fracturing process.
- Led team for "Project Blender 2.0", a project to design and implement a fluid and proppant blending and delivery system that effectively reduces maintenance and down-time costs for field operations.
- Performed several types of completions and reservoir stimulation techniques, including slickwater, crosslink, plug and perf, sliding sleeve, post-production secondary fracture, coil assist, matrix acidization, and combined interval.
- Modeled post-job reservoir stimulations using industry standard software.
- Managed field personnel working in every production interval in the Permian Basin.
- Provided technical expertise and recommendations to field personnel on location to improve operational efficiency and optimization.
- Created training programs to standardize field practices.
- Maintained software and data acquisition tools including transducers, densometers, and flow meters to keep jobs running and down-time to a minimum.
- Performed quality assurance/quality control on fluid and proppant systems, including testing for chemical constituents, concentration levels, and API standards.
- Ran logistics for materials required in field operations.
- Provided post-job economic analysis to customers to confirm projected expenditure margins.
- Advised and assisted customers to comply with Superfund Amendments & Reauthorization

Act (SARA) Tier II reporting requirements.

July 2017 to December 2017: Associate Technical Professional
Halliburton Energy Services, Frac and Acidization Division
2311 South 1st Street, Artesia, NM 88210

Managed or assisted in projects to enhance the quality and consistency of services:

- Performed data analytics and processing for completions and reservoir stimulations.
- Developed training and processes to transition field personnel into remote operations to increase productivity and reduce operational costs.
- Developed training and processes for field personnel to maintain equipment and electronics.

August 2014 to May 2017: Research Assistant
New Mexico Institute of Mining and Technology, Petroleum Engineering Department
801 Leroy Place, Socorro, NM 87801

Conducted research for several professors and post-doctoral students:

- Researched artificial lift using downhole progressive cavity pumps and surface drive equipment for applications in heavy oil, high sand production, directional, and horizontal wells.
- Formulated an optimized completions and stimulation plan for production, including a water gathering and treatment plan, for a marginally developed region of the Piceance Basin.

March 2011 to July 2014: Engineering Technician
Macey and Mershon Oil Company
1600 Broadway, Suite 2150, Denver, Colorado 80202

Performed a wide range of tasks for the founder and CEO:

- Collected and analyzed production data.
- Identified new well locations.
- Generated Affidavits for Expenditure.
- Managed purchases and services with vendors.
- Practiced reservoir modeling and production estimation.
- Assisted in wellsite operations, including drilling, completions, wireline and coil tubing, production, and workovers.

EDUCATION:

University of New Mexico, Anderson School of Business, Albuquerque, New Mexico
Master of Business Administration, Expected Graduation 2022.

New Mexico Institute of Mining and Technology, Socorro, New Mexico
Bachelor of Science in Petroleum and Natural Gas Engineering, 2017.

Additional Training: Groundwater Protection Council UIC seminar on Reservoir Engineering, Cone-of-Influence, Well Siting, and Injection Interval Formation Evaluation, 2020.

PROFESSIONAL MEMBERSHIPS, LICENSES, AND CERTIFICATIONS:

American Association of Drilling Engineers (AADE)
Society of Petroleum Engineers (SPE) Member ID: 4301297