POSITION ANNOUNCEMENT

TITLE: POSTDOCTORAL RESEARCH ENGINEER
DEPT: PRRC

STARTING RATE or SALARY RANGE: $50,000
Employees being promoted to a higher classified position receive the minimum for the position or a pay rate adjustment of 8% whichever is greater.

INTERNAL POSTING THROUGH: November 19, 2020*
CONSIDERATION WILL BE GIVEN FIRST TO TEMPORARY AND REGULAR TECH EMPLOYEES WHO APPLY WITHIN THE 7 DAY INTERNAL POSTING. APPLICATIONS RECEIVED AFTER THE 7 DAY POSTING MARGIN WILL BE CONSIDERED WITH OTHER OUTSIDE APPLICANTS.

JOB DUTIES:
This position will be in the Reservoir Evaluation and Advanced Computational Technologies (REACT) section of the Petroleum Recovery Research Center (PRRC) department of New Mexico Tech in Socorro, New Mexico. As a member of this section, the candidate will be a part of an integrated team of geoscientists and engineers working on applied research projects in hydrocarbon resource development, geologic carbon sequestration, and water resource management. The position requires advanced black oil and compositional reservoir simulation skills, and the ability to apply machine learning methods for numerical simulation modeling, optimization and forecasting. The position will include project leadership, proposal writing, journal publication, conference presentations, and student mentoring.

REQUIRED QUALIFICATIONS:
PhD or other doctoral level equivalent required in Petroleum Engineering. Experience in reservoir simulation including black oil/ compositional modeling required using commercial (Eclipse/CMG) or other (TOUGH, STOMP) code required. Experience in numerical modeling of CO2-EOR required. Integrated project team experience required. Applied research experience required. Expertise in application of machine learning in solving reservoir engineering related problems required. Matlab /python programming skills required. Experience with PETREL or other similar integrated modeling platforms desired. Intermediate/advanced knowledge of petrophysics desired. Laboratory flow and mechanical test data interpretation and integration with numerical models desired. Expertise in coupled reactive transport and/or geomechanical modeling related to CO2 storage desired.

Apply to: New Mexico Tech, Human Resources 801 Leroy Pl. Brown Hall Box 114, Socorro, NM 87801-4796