Posted: **August 9, 2018**

NEW MEXICO TECH
SCIENCE • ENGINEERING • RESEARCH • UNIVERSITY

POSITION ANNOUNCEMENT

TITLE: RESEARCH ENGINEER **DEPT:** PRRC

REG ☑ **TEMP** ☐ **FULL TIME** ☑ **PART TIME** ☐

STARTING RATE or SALARY RANGE: Negotiable dependent on Expertise
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:** Concurrent* 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 act as geophysical advisor to PRRC management and research teams in the appropriate development, deployment and integration of advanced geophysical methods in all seismic data acquisition and processing. Develop innovative solutions to improve subsurface understanding by integrating earth science, drilling, well completions and reservoir engineering data. Provide quality assurance of seismic data acquisition and processing projects at external suppliers. Partner with research teams in the strategic development and deployment of technology and workflows in seismic data acquisition, processing, imaging and various measurements integration. Mentor technical staff in seismic data acquisition and processing methods. Plan and supervise field operations, in collaboration with external suppliers: all seismic data acquisition, equipment deployment and petrophysical logging operations. Partner with external supplier to introduce innovative measurements technologies to PRRC projects. Prepare technical reports. Participate in and present at technical conferences as well as author publications and presentations. Write and submit proposals to secure funding for various research projects. Report to PRRC director and/or section leaders as required. This position is funded under PRRC's Southwest Partnership Project, after July of 2022 this position is expected to generate a portion of its own funding through competitive research applications.

REQUIRED QUALIFICATIONS:

Master's degree required or Equivalent in Engineering with experience in Oil field applications. Knowledgeable in 3D down-hole survey design and modeling required. Expertise in subsurface CO2 monitoring plan development and field implementation required. Expertise in innovation and technology selection and implementation required. Field research experience required. Familiarity with Petrel, Excel, computer hardware, Power point presentations.