## **Required Skills to Face Exploration Challenges at Pemex E&P**

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## ABSTRACT

Exploration targets in Mexico move into deeper water with geologic plays increasing in complexity; personnel have to develop skills to solve these challenges. A rapid professional development plan for young professionals and new recruits is crucial.

Over the last few years, Pemex E&P has been undertaking a number of actions to accelerate professional development. These actions include the identification of projects with technical and technological priorities, moving experienced human resources to areas where they are most needed, evaluating personnel skill gaps, and implementing training programs as short courses, seminars, and national and international postgraduate studies, focused on topics required to solve specific Pemex E&P needs.

The desired qualifications for new recruits include: sedimentary petrology, carbonate and siliciclastic sedimentology, seismic modeling, seismic acquisition design, seismic inversion, seismic attribute analysis, salt tectonics, rock physics, geomechanics, risk analysis, and petrophysical analysis.

Fostering interaction between academia and industry, as well as oil directed universities curricula, is necessary in order to meet industry skill requirements for graduates.

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