

Weatherford training and installation, Mexico 2009

Weatherford Mexico recently acquired 2 SPT GyrotracerTM packages to enable the survey and positioning of redundant wells. With this information it will be possible to drill in-fill holes and avoid collision with existing casing strings in the surrounding area.



Training was undertaken at the new facility in Poza Rica, Veracruz. The facility has been designed to optimize working areas and proved a great venue to under go training in both controlled classroom and workshop environments.



Two days were spent in the classroom. Here the engineers learnt about gyroscopes and their uses in the industry and discussions were held about the running environment before beginning SPT specific training on the operation procedures. Theory to start and then practical training was undertaken with the use of the training manuals which are designed to simplify and aid operations for all involved. As highly qualified Engineers, the weatherford trainees learnt quickly and were running the tool themselves on the first day, this is also due to the ease of use of the SPT GyroTracerTM tool and dedicated software.

Calibration training was carried out in the dedicated wireline workshop, an environment suited to the installation and use of the SPT GyroTracerTM portable calibration frame.



Weatherford are always proud of the professional service they supply with leading technology, choosing the SPT GyrotracerTM will allow them now to conduct gyroscopic surveys themselves without having to use a third party. Ultimately this will mean they can work to their own tight schedule and provide accurate and definitive data with knowledge that all information gathered from the wells is true and available immediately.

SPT don't just provide classroom training and let the engineers go it alone in the field as some companies may do. We strive to offer the complete package and will stay with the training process until we are confident that future operation will run smoothly.

Experienced and qualified SPT Engineers have wide knowledge of many aspects of the industry and can help with consultation to maximize the output of investment.



Field training was the next step and after completing relevant inductions for working on the rigs and surrounding areas we headed to site. The test for the GyrotracerTM was to run against a previous openhole log carried out by the Weatherford wireline team. The future of the project depended on the accuracy of the system.



Stringent checks were carried out prior to deploying the system into the well. We ran the tool to the bottom of the hole noting changes in Inclination as we went, this information is available real-time on screen to the engineer. Using this information we determined survey intervals for the run out, using smaller increments for kick-offs and directional drilling sections. As an ‘S’ well the challenge was great with vertical, inclined and highly deviated sections. The survey was run from a TD of 2050m taking gyro-compass readings at predetermined increments to surface. The tool was retrieved and packed away whilst the Gyro Engineer compared data from the Gyro Log to the Open Hole Log. The data compared tremendously and a presentation was carried out to prove the value of having gyroscopic surveys on cased holes with little to no information.

Weatherford now have the systems and expertise to go it alone with the positioning of existing wells thus allowing optimum productivity and the ability to move along quickly with future in-fill drilling programs. There is also the knowledge that an SPT Engineer is always available for technical help and advice.