



## **Cal Dive Completes Acoustic Metrology For Ursa**

October 19, 1998

HOUSTON, TX – Cal Dive International (CDI), with the support of Racal NCS, Inc. and MPC International, Inc., recently completed an acoustic metrology for the shallow water riser to pipeline connections for Shell Oil Company's Ursa Project.

The \$1.45 billion tension leg platform is in the Gulf of Mexico's Mississippi Canyon (blocks 808, 809, 810, 853 and 854).

The acoustic metrology, which used Sonardyne EHF transponders, was carried out from CDI's Dynamically Positioned (DP) Dive Support Vessel (DSV) Witch Queen for Allseas Engineering.

Measurements were taken from the end of the installed pipelines to fixed points on the West Delta block 143 platform prior to the installation of the risers. MPC International used the survey data provided by Racal NCS to develop the precise connecting spool configurations.

While the risers were being installed, CDI fabricated the spools offshore; then successfully installed them in considerably less time than the traditional taut line method. Also, CDI and Racal NSC developed the metrology procedure for deepwater pipeline-to-riser and jumper spool tie-in applications.

CDI is a leading provider of innovative subsea construction maintenance and abandonment services to the oil and gas industry.

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