

Subsea communications with Proserv OCH



Client:

Anadarko Petroleum Corporation

Location:

Constellation Field, Gulf of Mexico

Equipment:

OCH, TCPU Modifications to interface with subsea OCH

Depth

4,700 ft

similar communication systems for Anadarko's Lucius, Caesar/Tonga and Ticonderoga projects, the high reliability and the unmatched technology that is not offered by other suppliers with similar systems gave Proserv the edge necessary to win the work. Proserv's unique open communications technology provides a system that easily integrates into existing OEM supply controls systems and augments legacy systems that cannot provide the power and data bandwidth needed to support multi flow phase meters.

This communication system is one of two systems that will be procured by Anadarko to support two drill centers for two separate well locations. The current system will support an ultra long step out of 31 miles to the first drill center. A second system, to be provided in late 2018, will support the second drill center which is 8 miles away from the original drill center. APC has commenced with drilling additional wells at the second drill center. The second system will be needed in late 2018 as APC has already moved forward with drilling additional wells at the second drill center.

Background

Anadarko is on target to begin development drilling on their Constellation project in the second quarter of 2017 with first production forecasted in late 2018. The production will be tied back to the Anadarko Constitution spar. With the impending development drilling date and a forecasted production date of late 2018, Anadarko was ready to move forward with the first of two communication systems for two drill centers and Proserv's OCH is Anadarko's preferred solution to support their meter data handling systems.

Scope

The OCH for Anadarko's Constellation project will be used to support power supply and fiber optic communications for their Multiphase Flowmeters used to determine allocation of multiphase production hydrocarbons oil, gas and water. The first system build will include an OCH and modifications to the topside TCPU to interface with the subsea OCH.

The system build will be executed at the Proserv Norway Trondheim Facility with project management and client interface handled by the Proserv NSA Houston team for a delivery date of 28 weeks.

In Conclusion

Proserv's proven success and client track record with

Benefits

- OCH allows fully transparent communications to subsea
- Multiple subsea interfaces Ethernet, Serial, IWIS, SIIS
- Fully redundant with dual canisters
- Can be daisy chained to another OCH HUB
- Integrated web server, which allows full configuration and diagnostics of the communications using any standard browser
- Provision to connect up to 6 different devices with different protocols
- Expands existing subsea network beyond current limitations
- Can be retro fitted into an existing production system or new development