

Flow Assurance Production Optimisation



Client:

National Oil Company

Location:

Gulf of Mexico

Equipment:

Proserv single phase reservoir samplers (SPS) and type 6 sample cylinders

Conclusion

Proserv provided a cost effective and rapid solution to the clients sampling requirements which will allow them to make informed decisions on how they manage their production to minimise risk of flow assurance issues.

Benefits

- Three independent samples captured during a single intervention
- Three high quality PVT reservoir samples delivered to PVT Lab ready for detailed analysis
- The client can now investigate asphaltene onset pressure and based on results can make informed decisions on production to minimise flow assurance issues

Project Background

Proserv was contracted by a National Oil Company to provide downhole sampling services to help determine potential flow assurance issues associated with the production of asphaltenes.

Solution

Proserv suggested the use of our single phase reservoir samplers (SPSs) and type 6 single phase sample cylinders to capture and then transfer high quality downhole samples to the PVT laboratory for detailed analysis.

Scope

Proserv mobilised equipment and personnel directly to the rig site and carried out a single well intervention run on slickline, comprising of one string of three SPSs. Samplers were triggered by pre-set clocks and once returned to the surface, the samples were heated and transferred into Proserv's type 6 single phase sample cylinders and handed directly to the client for transport to the laboratory for detailed analysis.

