

A privately owned Lebanese independent upstream oil and gas exploration and production company is the operator of Blocks 3 & 4 in the Sultanate of Oman where it has made several discoveries and is currently producing over 28,000 BOPD.

The company had reached out to PetroEdge for onsite assistance to support the implementation of a Well Integrity Management System. The project involved the following activities:

- Preparation of a Well Integrity Management System (WIMS) in accordance with ISO 16053 Pt 1 and anticipated MOG Guidelines.
- Review of existing wells and incorporation of all wells into a Well Integrity Severity Evaluation Ranking (WISER) Database. This enabled the oil and gas exploration company to focus on “critical wells” issues.
- Preparation of a Wells Failure Model incorporating detailed Risk Assessments.
- Preparation of a Company Wells Barrier Policy.
- Preparation of Generic Well Barrier Diagrams for all the company’s Well Types.
- Preparation of Specific Procedures for all aspects of Well Integrity which shall include Barrier Verification, Maintenance & Testing as well as data recording.
- Preparation of a RACI Chart for all Well Integrity Associated Tasks.
- Provision of Generic Type WIMS Software that can be used to record all necessary data and/or recommendation as to the available Bespoke Software providers.

Further remote assistance was later provided to review the documents prepared by the Well Integrity Focal Point. Guidance was also given to allow the WIMS to be owned by the users in the company.

