**Project Title:** Reservoir Surveillance Using Permanent Down Hole Gauge (PDHG) for Zarama oil and Etelebou clusters, Central East Hub (Zara 13T, Etel 12T and 13T)

**Business Case**

Real time Reservoir surveillance is key for reservoir management and allocation purposes. it involves a structured and integrated approach for data gathering, analysis/modelling, reviews for decision making, to generates remedial work and opportunities to optimize the asset value ensuring the delivery of remaining reserves and production. (Implementation Cost: $146,928)

**Objectives:**

1. Ensure accurate real-time data used for Wells, Reservoir and Facility management (WRFM)
2. Ensure an annual savings of $90k from BHP survey on the wells

**Potential Benefits & Measurement:**

1. Savings per well for BHP survey – 3 wells for $81,000 per annum
2. Deferment avoidance – 3333.47bbl (42 hours shut in/ year) for 3 wells
3. Saving from deferment avoidance – $256,673.50 (42 hours shut in/ year) for 3 wells

**High-Level Timeline:**

* L0-L1: Oct. 2018
* L2: Nov- Dec 2018
* L3: Apr. - 2019
* L4: May. - 2019
* L5: -Q2 2019
* Initiative End

**Project Scope/Actions:**

* Conduct Site Assessment – Oct 2018
* Secure budget cover Nov -Dec .2018
* Procure Fiber Optic cables, RMS and accessories – May. 2019
* Site Mobilization –Jun. 2019
* End user Utilization and Benefit Tracking – Q3 2019
* **Critical Success Factor:**
* Management Commitment
* Successful stakeholder collaboration
* Budget cover/Approval

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