Evaluation of development options for the Mira field using a cloud-based solution
Location
Mira Field

Potential development, Mira 4 Step-out well target

Proven and producing area
Operating conditions

• Fixed tariff fee service contract
• Production process facilities work at 80% capacity
• Wellpad for already in operation with temporary facilities for 1 well (Mira 3)
• Using vacuum truck transportation to production process facilities (9Km.)
Development plan concerns

• New well Mira 4 is the key milestone
• Ambitious drilling campaign would require facility expansion
• Development plan approval process might lead to service fee negotiations
• Major KPI’s
  • Payback
  • IRR /NPV
  • Cash max exposure
Decision Making: Speed is key

• Production facility expansion is dependent on results of Mira 4
• Decision making process has to be quick and agile
• Shared work-space and agile revision of these scenarios is crucial to achieve a timely decision
Scenarios and Decisions

Assess different combinations of development options:

• Production results
  • P90
  • P50
  • P10

• Drilling campaign
  • 4 to 6 wells per year
  • Continue drilling campaign (drilling & completion)

• Contract renegotiation with government

• Production facilities
  • Resize of production facilities
  • Three-phase flow line
FDPlan benefits

• Integration
• Alignment
• UX
• Reliability
• Risk Management
FDPlan benefits

- **Integration**
- **Alignment**
- **UX**
- **Reliability**
- **Risk Management**

allows for an open, collaborative, cloud-based platform where updating and analyzing options is quick and reliable.
FDPlan benefits

- Integration
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- UX
- Reliability
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helpful in finding a solution in which operational and business objectives are fully aligned
FDPlan benefits

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graphic, easy-to-present results which visually frame the different scenarios based on how they perform under the KPOs established by the board
FDPlan benefits

- Integration
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- UX
- Reliability

allows for quick tracking of deliverables and information updates by the team involved
FDPlan benefits

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- Risk Management

It incorporates uncertainty, as well as risk assessment and management tools into the building process.
The Future

• FDPlan is extremely helpful for decision making
• Digital transformation will allow platforms to integrate with IoT data
  • to improve knowledge
  • benchmarking
  • forecasting of critical assumptions
• Digital technology could be used to improve in the execution phase
  • achieve the KPOs that were the basis for their inception