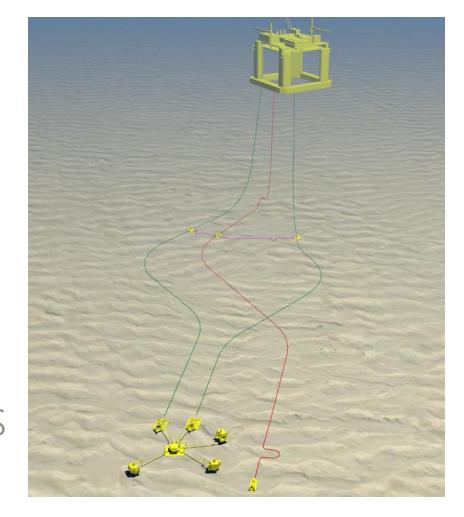


- Deepwater 4-well subsea tie-back in the Gulf of Mexico
- Dual Flowlines
- Approximately 30 km step-out
- 5,800ft water depth
- 7" Catenary Riser hung on pontoon of FPS



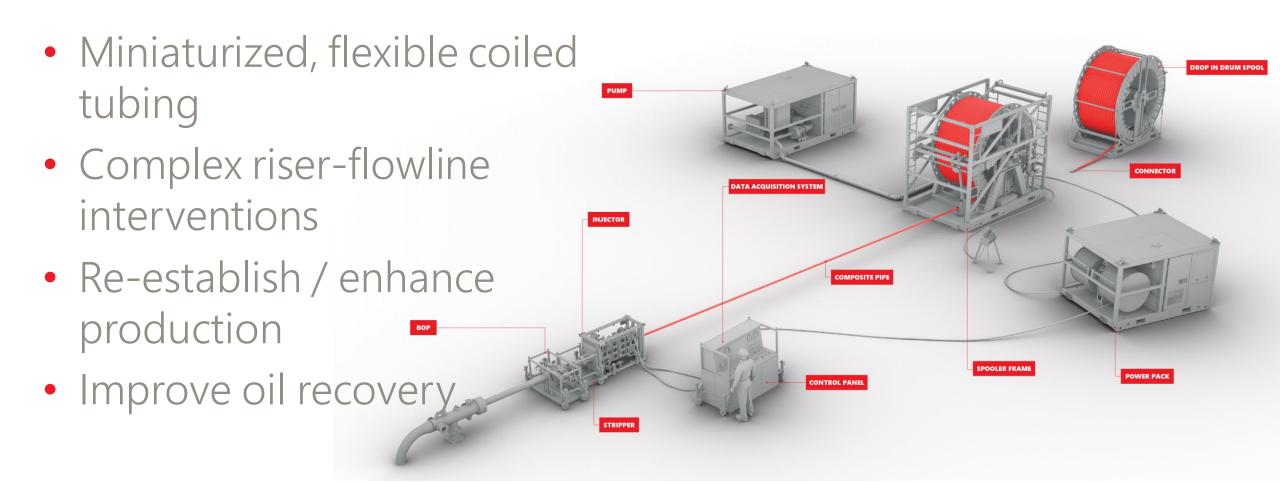
## Project Requirements:

- Decrease slugging severity and increase production
- Engineer, Procure and Install <12 months
- Weight < 6,000 kg</li>
- Compact installation footprint

## Options Considered:

- Smart Choke Valve \*\*
- Riser Based Gas Lift \*\*
- Subsea Pump
- In-riser Velocity String

### **PARADIGM**



#### **PARADIGM**

#### Minimal Surface Modifications



Production piping entering Boarding Valve Skid (prior to installation of IRVS)

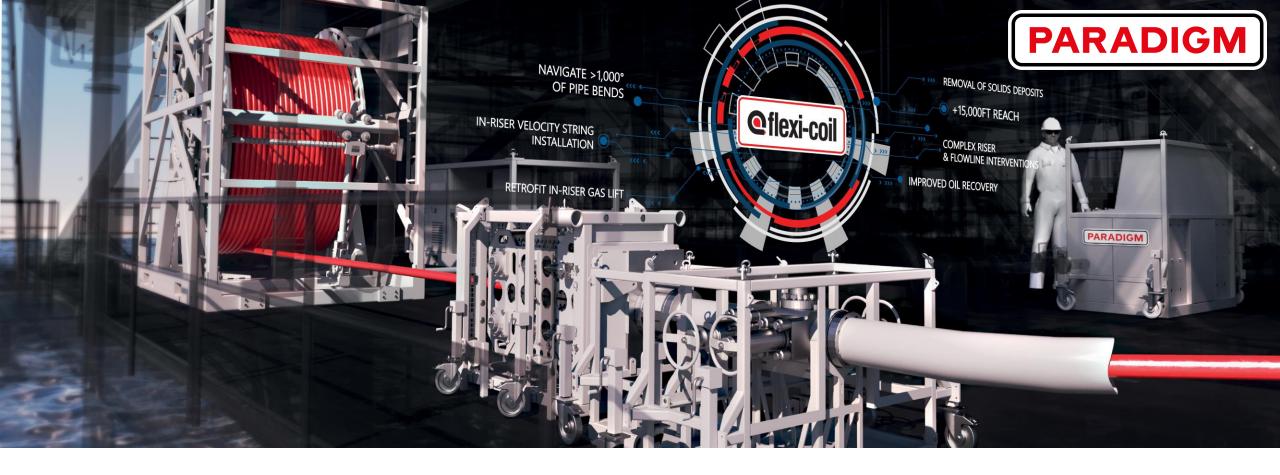
Flexi-Coil Tubing Hanger

Tee-piece to BVS



Production piping Modifications (post installation of IRVS)





# Thank you!

Ryan Sangster

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