

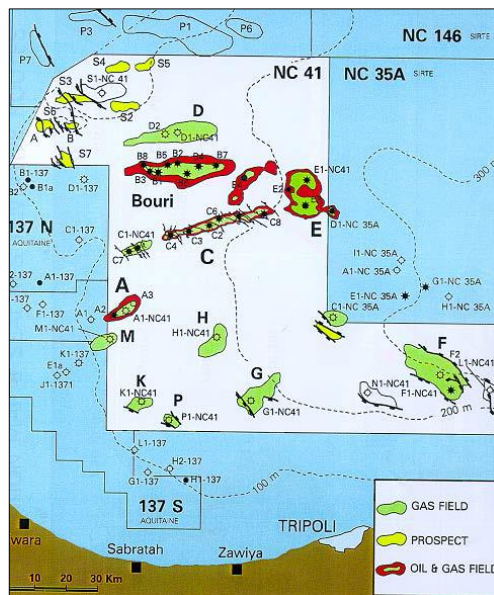
ENQUIRY FOR PREQUALIFICATION (NO. PRQ/JPT/XX/19)

STRUCTURES A & E, MELLITAH COMPLEX EXPANSION & CO2 MANAGEMENT INTEGRATED DEVELOPMENT PROJECT

WELLHEAD PLATFORM A (WHPA)

PROJECT DESCRIPTION

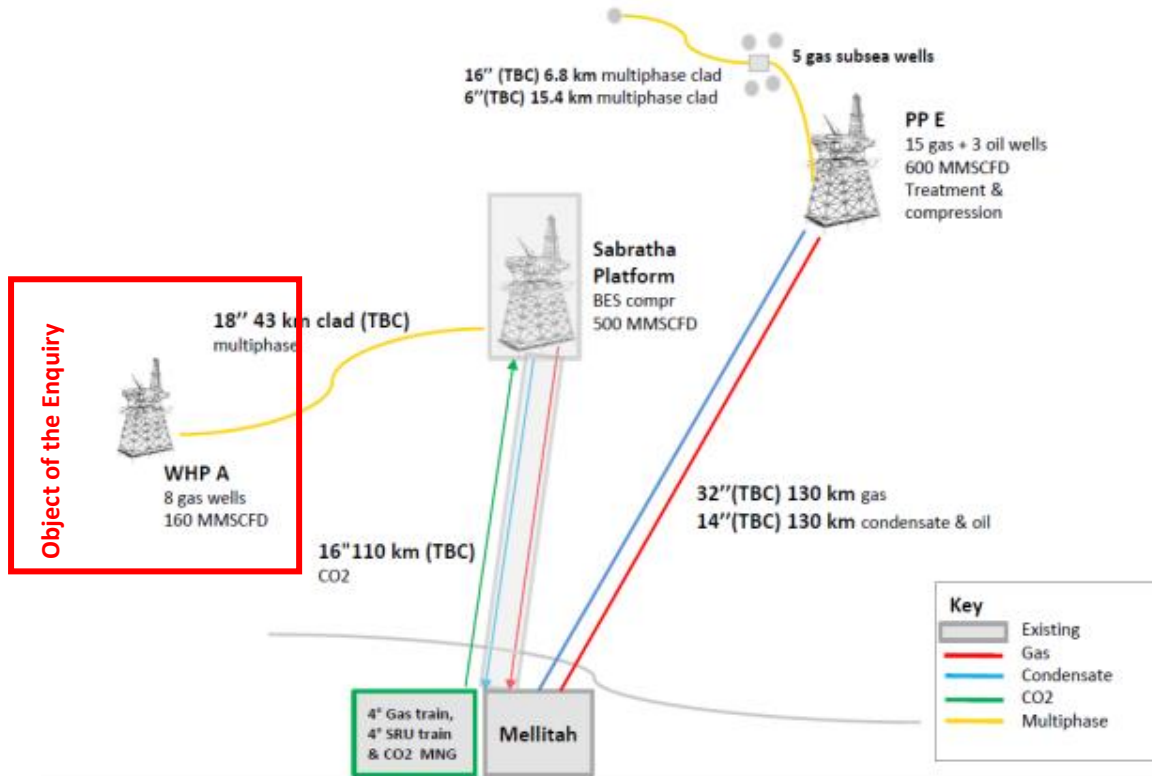
The overall E & A structures development project foresees the exploitation of Structures A and E located in the Libyan offshore area of NC 41 Block. The “A” Structure is in the central-western part of the area, approximately 80 Km from Libyan coast, where water depth is ranges between 95 and 105 m.



The selected offshore development scenario foresees:

- Structure A
 - New Wellhead Platform installed in 96 m; 8 dry tree wells with peak production 160 MMSCFD; No treatment facilities & Survival Shelter;
 - Export to existing Sabratah Plt through 18” multiphase cladded sealine;
 - Pre-Drilling with Jack-up and completion with new FMWR.
- Structure E
 - New Production Platform installed in 220 m; 18 dry tree wells (including 3 oil rim) (20 slot) + 5 subsea wells; Peak production 600 MMSCFD;
 - Gas/Condensate Separation, Gas dehydration, and Compression;
 - Living Quarter: 120 POB;
 - Export to shore through two sealine 130 km (32” for gas and 14” for oil/condensate);
 - Pre-Drilling with Semisub and completion with new FMWR.

- Mellitah Complex
 - New 4th Gas Train, new 3rd Condensate train & new 4th SRU, and rejuvenation of existing trains.
 - CO₂ dehydration and compression in Mellitah and injection in offshore Bahr-Essalam field through a new 16" - 100 km sealine.



The project is expected to start on 3Q 2021 and to be completed in 4Q 2022.

SCOPE OF WORK

EPIC Contractor is required to Engineer, Procure, Construct, Transport, Install, Hook-up, Pre-commission, commission and start-up the Wellhead Platform A (WHPA).

The process facilities foreseen on WHPA are the following:

- UNIT 100 - Production Wellheads;
- UNIT 130 - Production / Test Manifolds;
- UNIT 190 - Pig Facilities;
- UNIT 300 – Test Separator / and Multiphase Metering.

The following Utilities are included in the design:

- Unit 120 - Chemical Injection
- Unit 230 - Flare system, vent and Blowdown
- Unit 190 - Pig trap
- Unit 420 - Fuel gas system
- Unit 430 - Diesel Oil system
- Unit 460 - Compressed Air system
- Unit 470 - Main Power Generation
- Unit 480 - Emergency Electrical Power Generation
- Unit 530 – Fresh Water System
- Unit 540 - Open Drain System
- Unit 550 – Closed Drain System
- Unit 570 - Sewage Treatment System
- Unit 600 - Inert Gas
- Unit 650 - Antibiofouling
- Unit 730 - Fire Water System.

WHPA platform is normally unmanned, However, a shelter for 12 people with upper mounted helideck is included.