

Auk North Riser FEED Talisman Energy UK (Ltd)

OIL

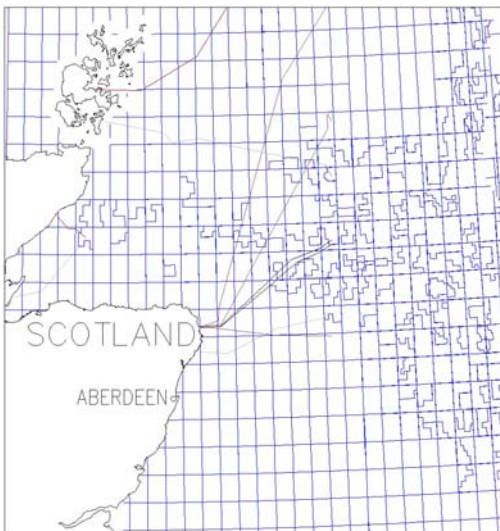
Auk North is a 4 - 6 well step out development using downhole Electrical Submersible Pumps (ESPs) to connect the wellheads via subsea tie in spools to a production manifold and protection structure. The manifold includes a test header with multi-phase flowmeter, umbilical termination and control system. The export flowline from the manifold is a subsea tie back terminating at a new caisson riser at the bridge linked Fulmar Advance Drilling (AD) platform.

The new Fulmar 'AD' caisson riser contains an 8" production flowline, at a design pressure of 345bar and temperature of -10°C to 90°C, a 10" J-Tube with an electro-hydraulic control and chemical injection umbilical from the platform to the Auk North manifold, and a 12" J-Tube with the ESP cable similarly routed from Fulmar 'AD' to the Auk North manifold.

The production flowline is connected with tie-in spools, from the pipeline end flange to the Fulmar 'AD' riser tie-in flange.

Andrew Palmer & Associates scope of work:

- External caisson riser containing:
- 8" production riser
- 10" umbilical J tube
- 12" power cable J tube
- Bulkhead and seal design
- Material Selection



Location: North Sea, UK
Block: 30/16
Water depth: 85m
Duration: 14 weeks

Contract:	Reimbursable			
Manhours:	<500 <input type="checkbox"/>	500-5000 <input checked="" type="checkbox"/>	5000-10,000 <input type="checkbox"/>	>10,000 <input type="checkbox"/>
Penspen Value:	<\$100k <input type="checkbox"/>	\$100k-500k <input checked="" type="checkbox"/>	\$500k-1,000k <input type="checkbox"/>	>\$1,000k <input type="checkbox"/>

Specialised Engineering

- Bulkhead and seal Finite Element Analysis