



Australian Government

Assessment Requirements for PMAOPS318 Conduct artificial lift

Release: 1

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Modification History

Release 1. Unit code and Application changed. Performance Criteria changed. Range of Conditions removed. Assessment Requirements changed. Supersedes and is equivalent to PMAOPS320 Conduct artificial lift.

Performance Evidence

There must be evidence the candidate has completed the tasks outlined in the elements and performance criteria of this unit:

- at least 2 times, each in a separate work context.

Knowledge Evidence

There must be evidence the candidate has knowledge of:

- all items on a schematic of the production unit, including:
 - principles of operation of plant and equipment, including well bore hydraulics, reservoir formation, pumping/compressor efficiencies, production volumes and product capacities
 - interactions between plant items and processes
 - operating parameters and integrity limits, and product specifications and tolerances including temperature, pressure and flow
 - procedures for starting, stopping, operating, controlling and isolating artificial lift equipment
 - emergency shutdown procedures
 - function of major components and troubleshooting techniques
- physics and chemistry to the level of being able to provide an overview of the science of the artificial lift process
- local lease and well operations requirements and constraints
- basis of the process used in the well operation
- impact of external factors, including variations in weather and feed
- abnormal situations and required actions, including but not limited to:
 - lift gas variations
 - instrument failure and wrong reading
 - electrical failure
 - mechanical failure
 - operational problem
- hierarchy of control
- artificial lift hazards:
 - possible causes

- potential consequences
- appropriate risk controls
- reporting and escalation procedures.

Assessment Conditions

Skills must have been demonstrated in the workplace or in a simulated environment that reflects workplace conditions and contingencies. The following conditions must be met for this unit:

- use of suitable facilities, equipment and resources, including:
 - industrial-type wellhead and artificial lift
 - operating procedures
- abnormal situations must be relevant to the artificial lift process.

Assessors must satisfy the NVR/AQTF mandatory competency requirements for assessors.

Links

Companion Volume implementation guides are found in VETNet -

<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=9fc2cf53-e570-4e9f-ad6a-b228ffdb6875>