



Australian Government

RIIOGD401D Rig up, conduct pre-spud operations and rig down

Release: 3

RIIOGD401D Rig up, conduct pre-spud operations and rig down

Modification History

Release	Comment
1	This unit replaces RIIOGD401A Rig up, conduct pre-spud operations and rig down
2	Performance Criteria amended to make requirements more explicit.
3	Required frequency and volume of evidence amended in Performance evidence. Substantial amendments made in Assessment Conditions field, including: references to Industry Sectors, assessor and subject matter expert experience requirements, how assessment should be conducted and what it should confirm.

Application

This unit describes a participant's skills and knowledge required to apply rig up, conduct pre-spud operations and rig down in Drilling.

This unit is appropriate for those working in supervisory roles.

Licensing, legislative, regulatory and certification requirements that apply to this unit can vary between states, territories, and industry sectors. Relevant information must be sourced prior to application of the unit.

Unit Sector

Drilling

Elements and Performance Criteria

1. Plan and prepare rig up, conduct pre-spud operations and rig down	1.1 Access, interpret and apply rig up, conduct pre-spud operations and rig down documentation and ensure the work activity is compliant 1.2 Obtain, read, interpret, clarify and confirm work requirements 1.3 Identify, address and report potential hazards, risks and environmental issues and implement control measures 1.4 Select and wear personal protective equipment appropriate to the work activities 1.5 Resolve coordination requirements with others at the site prior to commencing, during, and on completion of work activities
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	1.6 Carry out pre rig-up procedure inspections (by rig manager, operator and crew) 1.7 Coordinate movement of load and sequence of installation and location 1.8 Check equipment for damage and/or loss by moving contractor and report and BI
2. Rig up to spud	2.1 Receive and action rig manager authorisation to commence rig-up to spud operations 2.2 Receive detailed verbal and written instructions on use and type of mud from the operator and distribute 2.3 Identify potential rig-up problems and take corrective action 2.4 Keep rig manager informed of operations
3. Prepare for drilling of surface hole/subsea hole	3.1 Check drilling and hoist equipment, report damage to rig manager and record 3.2 Conduct equipment checks for nippling-up or cross-checked with relevant procedures 3.3 Check handling equipment for correct sizing and if fit for purpose 3.4 Confirm availability of and inspect, clean, calibrate and record tubulars 3.5 Check well control equipment 3.6 Identify special tool requirements and check if fit for purpose and approved for use
4. Prepare for pre-spud operations	4.1 Lock pipe racks with drill pipe and position drill collars 4.2 Inspect casing running tools for safety and fitness-for-purpose and rectify and/or report faults and malfunctions 4.3 Record casing tallies and report
5. Conduct operations as per drilling program	5.1 Determine optimum circulating and penetration rates and check deviations are in accordance with operators drilling program 5.2 Continually check mud cleaning equipment and screens for integrity and correct operation 5.3 Check drilling fluid quantities with sufficient being in reserve to kill well and keep hole on full trip 5.4 Record correct mud properties on tour report 5.5 Operate all equipment in accordance with manufacturer regulations and company procedures 5.6 Maintain a sound working relationship with third party

	contractors
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Foundation Skills

Foundation skills essential to performance are explicit in the performance criteria of this unit. Further information is available in the Resources and Infrastructure Industry Training Package Companion Volume.

Unit Mapping Information

No equivalent Unit

Links

Companion Volume implementation guides are found in VETNet - <https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=88a61002-9a21-4386-aaf8-69c76e675272>