



Australian Government

RIIWSV401E Rig up and rig down for well servicing operations

Release: 1

RIISV401E Rig up and rig down for well servicing operations

Modification History

Release	Comments
Release 1	This version first released with RII Resources and Infrastructure Industry Training Package Version 5.0.

Application

This unit describes the skills and knowledge required to applying rig up and rig down for well servicing in drilling. It prepares individuals to rig up, prepare for well servicing operations, prepare start operations, conduct operations according to instructions and rig down.

It applies to those working in supervisory or technical specialist roles. They generally perform tasks involving a broad range of varied activities most of which are complex and non-routine and are responsible for the quantity and quality of the output of others.

Licensing, legislative and certification requirements that may apply to this unit can vary between states, territories, and industry sectors. Users must check requirements with relevant body before applying the unit.

Unit Sector

Drilling (Well Servicing)

Elements and Performance Criteria

ELEMENT	PERFORMANCE CRITERIA
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
1. Plan and prepare for operations	1.1 Obtain, interpret and confirm and apply work instructions 1.2 Access, interpret and apply compliance documentation and legislation and confirm work activity is compliant 1.3 Identify and minimise environmental issues and potential hazards, and assess and address risks within scope of own role and according to workplace procedures 1.4 Carry out gas testing according to site requirements 1.5 Confirm well bore stability 1.6 Confirm personnel coordination requirements at the site are met prior to commencement of work activities

ELEMENT	PERFORMANCE CRITERIA
	1.7 Carry out pre rig-up procedure inspections within scope of own role and according to standards for individual rigs 1.8 Coordinate movement of load and sequence of installation and location according to rig movement plan 1.9 Check equipment for damage and loss by moving contractor and report and BI according to requirements
2. Rig up	2.1 Receive, acknowledge and action rig manager authorisation to commence rig-up operations 2.2 Receive detailed instructions on use and type of mud, fluid or air from the operator and distribute as required and to required specifications 2.3 Identify potential rig-up problems and take corrective action as required and within scope of own role 2.4 Keep rig manager informed of operations according to legislative and company requirements
3. Prepare for well servicing operations	3.1 Check rig and hoist equipment, report damage to rig manager and record according to company policies and procedures as required 3.2 Conduct equipment checks for nipping-up or cross-checked with required procedures 3.3 Confirm and check handling equipment for required sizing and if fit for purpose 3.4 Confirm availability of and inspect, clean, calibrate and record tubulars according to requirements 3.5 Check well control equipment against work program requirements 3.6 Identify special tool requirements and check if fit for purpose and approved for use
4. Prepare start operations	4.1 Load rod racks with rod/down hole production equipment tubulars and position drill collars for immediate use 4.2 Inspect /tubulars down hole running tools and prepare for operation 4.3 Record in writing casing/tubular/down hole tallies and report to appropriate company officer
5. Conduct operations according to instructions	5.1 Determine optimum circulating rates and operational penetration rates and check deviations are in accordance with operators' program 5.2 Check circulating equipment for immediate operation 5.3 Check fluid quantity requirements with sufficient being in reserve to kill well and keep hole on full trip 5.4 Record in writing fluid properties in tally book 5.5 Operate all equipment according to manufacturer regulations and company procedures 5.6 Maintain a sound working relationship with third party contractors

ELEMENT	PERFORMANCE CRITERIA
6. Rig down	6.1 Receive and action rig manager authorisation to commence rig-down operations 6.2 Identify potential rig-down problems and take corrective action as required and within scope of own role 6.3 Keep rig manager informed of operations

Foundation Skills

This section describes those language, literacy, numeracy and employment skills that are essential to performance but not explicit in the performance criteria.

SKILL	DESCRIPTION
Numeracy	<ul style="list-style-type: none"> Interprets numerical information relating to fluid quantity requirements
Reading	<ul style="list-style-type: none"> Identifies and interprets complex information from workplace procedures, documentation, legislation, regulations, and team member training needs assessments

Unit Mapping Information

Supersedes and is equivalent to RIIWSV401D Rig up and rig down for well servicing.

Links

Companion Volume implementation guides is found on VETNet -

<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=88a61002-9a21-4386-aaf8-69c76e675272>