

COGMWT2

Perform post-job (mechanical wireline) operations



Overview

This unit is about performing post-job operations. You will be involved in activities such as:

- 1 rigging down mechanical wireline equipment
- 2 demobilising and storing mechanical wireline equipment

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Performance criteria

You must be able to:

- P1 confirmed the well to be in a condition for work to proceed
- P2 dismantled the equipment in proper sequence
- P3 accurately identified faults and defects in the assembly and taken appropriate remedial action
- P4 handled the equipment using safe lifting and handling techniques
- P5 accurately identified damage and defects in the assembly and taken appropriate remedial action
- P6 effectively protected the equipment and prepared it for transportation
- P7 effectively completed all relevant transportation documentation and handed it over as appropriate
- P8 stored the equipment safely and securely in the designated location
- P9 worked safely in accordance with operational requirements

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Knowledge and understanding

You need to know and understand:

- K1 how to check and make a decision on the well condition
- K2 how to access and interpret information on conditions and limitations of the well
- K3 how to dismantle equipment
- K4 how to identify equipment faults and defects and what remedial action is available to you (to include report, repair, record, replace, adjust)
- K5 hazards that are likely to be encountered and how to deal with them
- K6 the effects of weather on operations
- K7 the limitations of the equipment and the environment in which they are used
- K8 the function and operating principles of downhole assemblies and associated equipment
- K9 how to work with and within the Permit to Work system
- K10 how to carry out bleeding down and pressure equalisation within equipment
- K11 the principles of hydrate formation (to include when no tool is in the well, when tool is stuck in the hydrate) and its prevention and decomposition
- K12 how to prepare equipment for transportation (to include cleaning, checking for damage, storing)
- K13 the regulations and limitations on transportation of equipment
- K14 the paperwork associated with equipment transportation
- K15 who to hand over the documentation to
- K16 the protection requirements of special equipment

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Additional Information

Scope/range related to performance criteria

- 1 how to select, use and care for PPE (to include sight/hearing protection, gloves, footwear, hard hats, respirators)
- 2 the implications of statutory (e.g. HASAWA and COSHH) and organisational requirements
- 3 how to interpret operational requirements (e.g. relevant policies, procedures, instructions, codes of practice, standards, schedules)
- 4 winch
- 5 stuffing box
- 6 grease injection system
- 7 downhole toolstring (to include rope socket, stem, jars, knuckle joint)
- 8 power supply
- 9 wellhead/ESD system
- 10 hand tools
- 11 lubricator/riser
- 12 pressure equipment
- 13 ancillary wellhead equipment
- 14 wireline valve
- 15 hydraulic controls

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Developed by Cogent

Version number 1

Date approved August 2007

Indicative review date August 2009

Validity Current

Status Original

Originating organisation Cogent

Original URN MWT2

Relevant occupations Retail and commercial enterprise; Warehouse and distribution; Process, Plant and Machine Operatives; Process Operatives

Suite Well Services: Mechanical Wireline

Key words winch, stuffing box, grease injection, wireline valve, hand tools, riser
