

# Goliath Snubbing Ltd Competency Knowledge Assessment - Operator 3

## Operator 3 Knowledge Assessment

### Unit 1 - Operate Critical/Sour Wells

#### Confirm auxiliary safety equipment in place

1. Where are your certifications kept?
2. What needs to be certified?
3. Which certifications must be available on site?
4. Describe the process to maintain your certifications?
5. How do you find the regulatory requirements?
6. How are N.A.C.E. trim components identified?
7. Why is N.A.C.E. trim important?

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#### Adhere to industry recommended practices

8. Do you know where would you find the IRP requirements for critical sour wells?
9. What are the wireline requirements for critical sour wells as found in IRP 15?
10. What are the BOP requirements on critical sour wells?
11. How do you identify a critical sour well?
12. What chemical can be introduced to lower or eliminate H<sub>2</sub>S concentrations at surface? When and why is this recommended? How much is recommended?
13. How can you turn a sour environment into a safer situation?
14. When and where would you use an H<sub>2</sub>S inhibitor?
15. Which "division/class, etc" of well do critical sour wells fall into in IRP 15?

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#### Understand and communicate Emergency Response Plan

16. What is an emergency response plan?
17. What is a contingency plan?
18. What is your role in the emergency response plan?
19. What is your role in a contingency plan?
20. What is your role in an emergency shut-in?
21. What is the role of your crew in the event of an emergency?

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### Unit 2 - Operate wells with surface pressure greater than 21 Mpa

#### Confirm wellbore characteristics

22. How would you assess the pressure on the well site?
23. What impact can pressures greater than 21 MPa have on equipment, personnel requirements and operations?
24. How can you use hydrostatics to control pressure in a well?
25. How will a formation that feeds fluids affect the lower surface pressure of the well as you are working on it?
26. What could be the result of flowing fluid out of a well with a low surface pressure if the BHP is 21 MPa?

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#### Recognize and communicate high pressure hazards and risks

27. How do you ensure communication and synchronization between multiple services onsite?
28. What are the risks if crews get out of synch?
29. How does pressure affect the length of stroke you take?

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