NEXT WORLD

Well Control

VR Module Overview



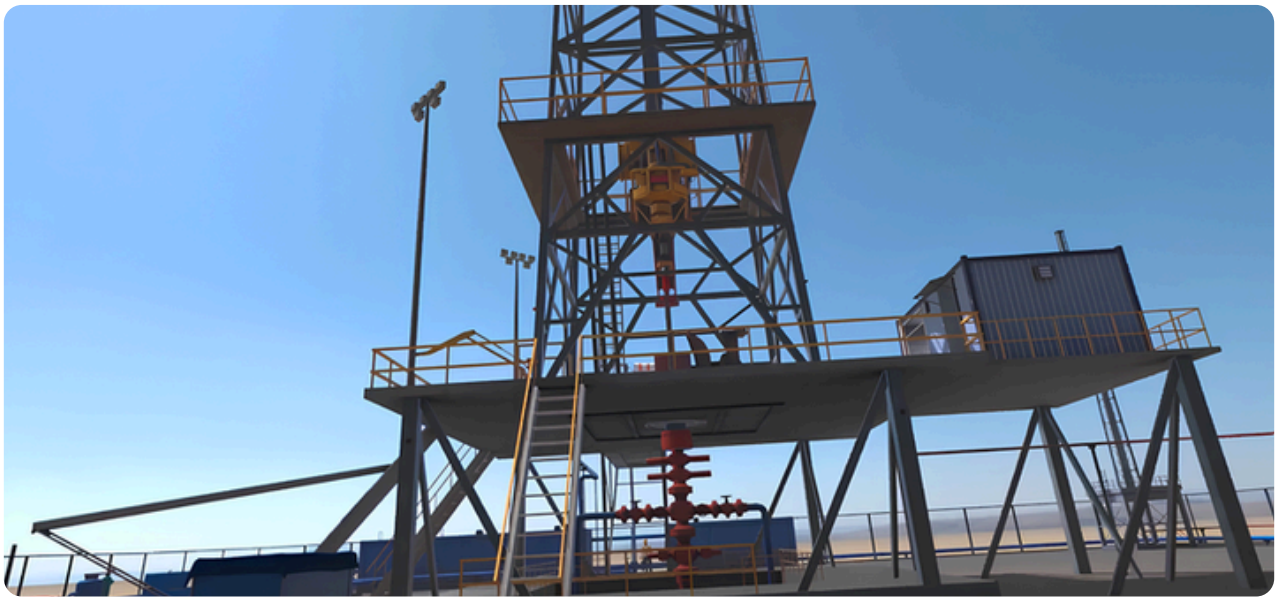
VR module created by GWPRO.IO



- Learning
- Training
- Certificate

Experience Overview

What's included in VR Well Control



In GWPro Well Control VR Training, you step into the role of the driller on a land drilling rig in the desert.

Read the pit volume, the flowline and the gauges for the first signs of a kick, prove what you see with a flow check, then shut the well in and circulate the influx out under constant bottomhole pressure. Ten scenarios train you to react in proportion, not in panic.



Available in 10 Languages

- Arabic
- Chinese
- English
- French
- German
- Hindi
- Polish
- Portuguese
- Italian
- Spanish

User Control

Empowering users with hands-on precision in every simulation.



Module Walkthrough

In the Learning Mode you'll be guided through the following steps. In the Training and Exam modes you'll be on your own completing the task. To exit the task press the Menu button.



1. Welcome to the Well Control: Land Drilling Pad VR Training. Select the mode. Point the controller at the mode and pull the trigger.



2. Confirm the shut-in data and take the kill sheet.

3. Read the shut-in drillpipe pressure. Point the controller at the standpipe pressure gauge and pull the trigger.

4. Read the casing pressure at the choke manifold. Point the controller at the casing pressure gauge and pull the trigger.

5. Confirm the total pit gain. Point the controller at the pit volume panel and pull the trigger.

6. Open the kill sheet. Point the controller at the kill sheet and pull the trigger.

7. Read the kill rate and kill rate circulating pressure. Point the controller at the kill sheet and pull the trigger.

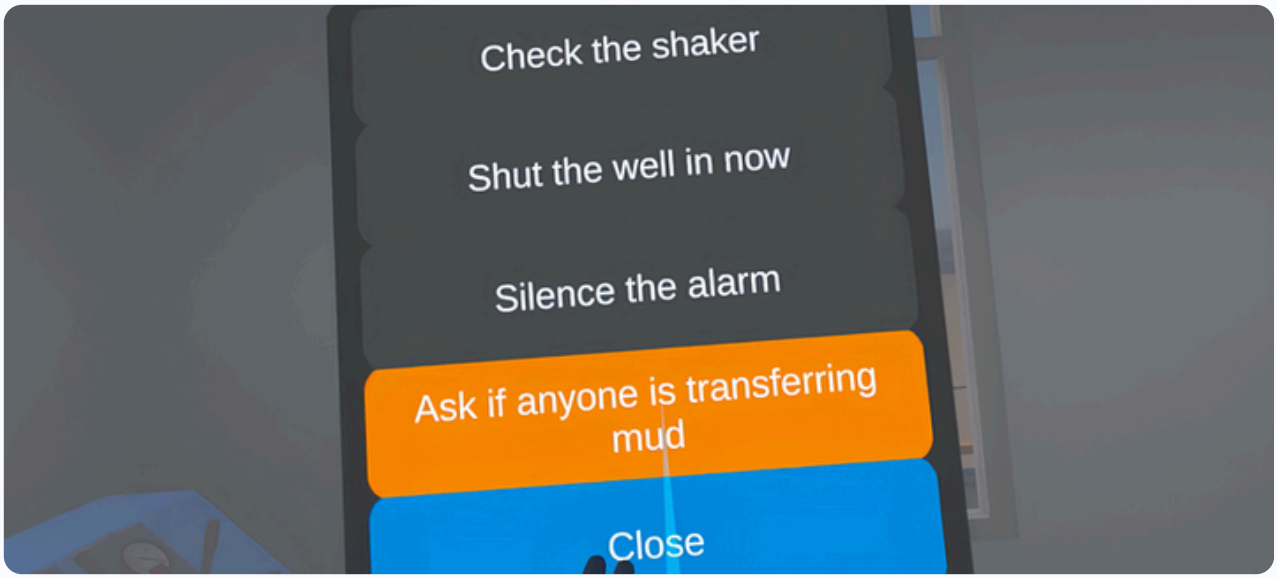
8. Take the remote choke console position and divide the roles.

9. Move to the remote choke console. To move point the controller at the green circle and pull the trigger.

10. Cross-check the drillpipe pressure. Point the controller at the drillpipe pressure gauge and pull the trigger.

11. Cross-check the casing pressure on the console. Point the controller at the casing pressure gauge on the console and pull the trigger.

12. Pick up the rig phone extension. Bring your hand to the rig phone extension and pull the trigger.



13. Select the assistant driller contact. Point the controller at the contact in the list and pull the trigger.

14. Tell the assistant to bring the pump up slowly to thirty strokes a minute and hold it while you work the choke.

15. Hold the casing pressure constant while the pump comes up to kill rate.

16. Watch the casing pressure as the pump rate climbs. Point the controller at the casing pressure gauge on the console and pull the trigger.

17. Open the choke a little to relieve the rising casing pressure. Bring your hand to the choke open button and pull the trigger.

18. Check the casing pressure after the press. Point the controller at the casing pressure gauge on the console and pull the trigger.

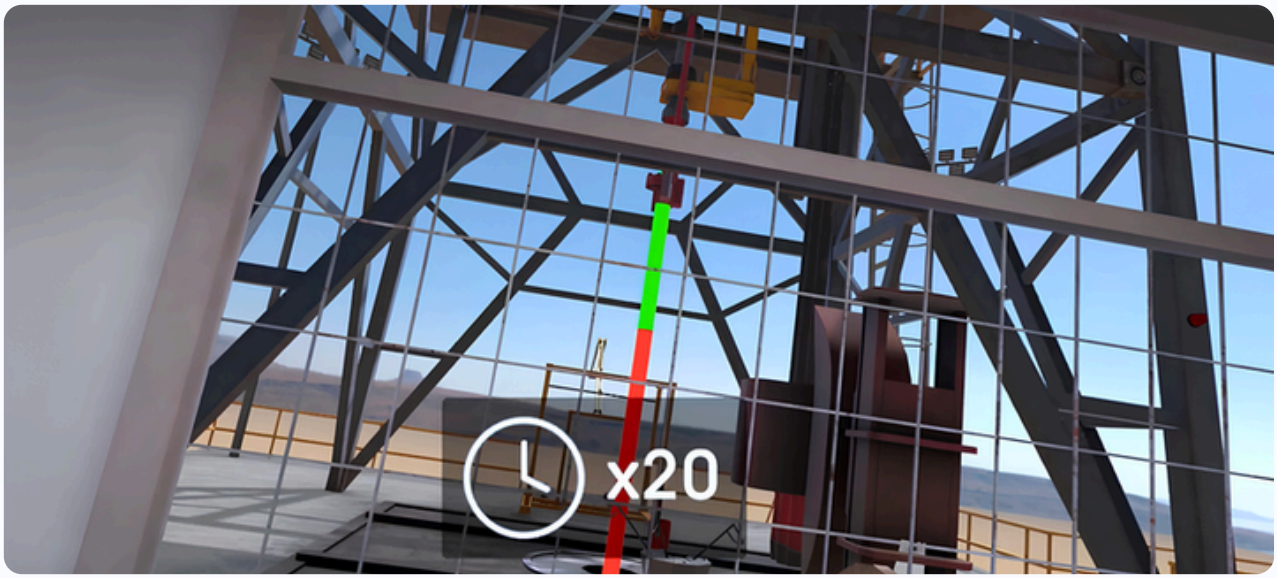
19. Hold the casing pressure at the shut-in value. Bring your hand to the choke open button or the choke close button and pull the trigger.

20. Confirm the choke is off the seat. Point the controller at the choke position indicator and pull the trigger.

21. Note the drillpipe pressure at kill rate. Point the controller at the drillpipe pressure gauge and pull the trigger.

22. Hold the drillpipe pressure constant until the influx is out of the well.

23. Watch the pump stroke counter. Point the controller at the pump stroke counter and pull the trigger.



24. Compare the drillpipe pressure with the target. Point the controller at the drillpipe pressure gauge and pull the trigger.

25. Bring the drillpipe pressure back to the target. Bring your hand to the choke open button or the choke close button and pull the trigger.

26. Watch the casing pressure rise as the gas approaches surface. Point the controller at the casing pressure gauge on the console and pull the trigger.

27. Confirm the influx is out of the well. Point the controller at the pump stroke counter and pull the trigger.

28. Shut the pump down and weight the mud up to kill weight.

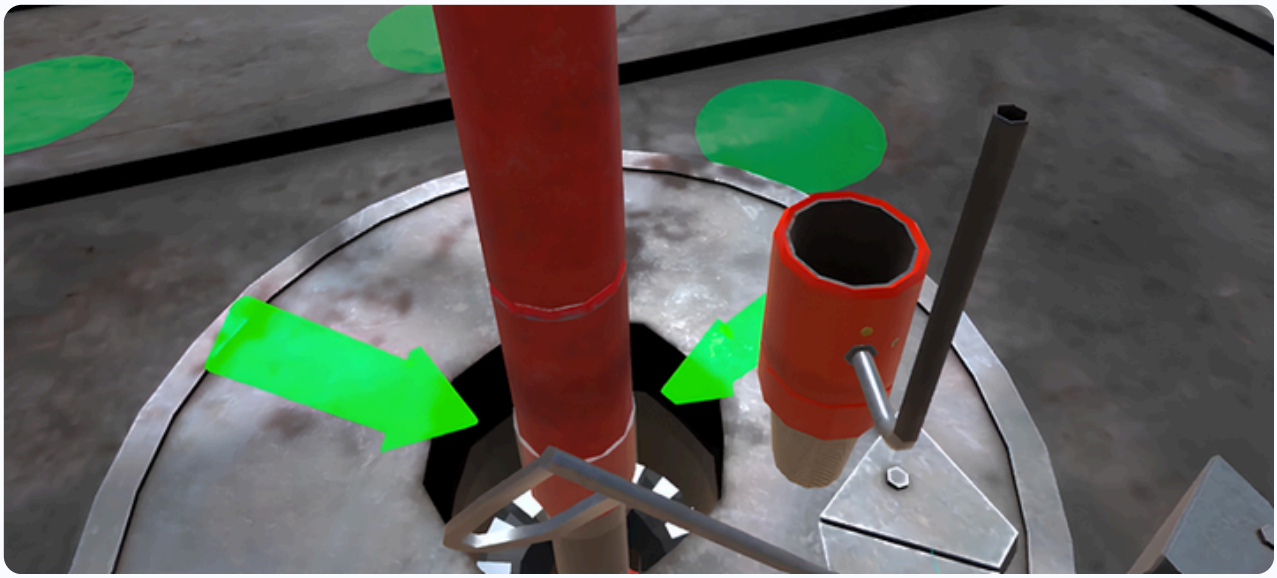
29. Instruct the assistant to shut the pump down. Bring your hand to the rig phone extension and pull the trigger.

30. Close the choke as the pump rate falls. Bring your hand to the choke close button and pull the trigger.

31. Confirm both gauges read the same pressure. Point the controller at the drillpipe pressure gauge and pull the trigger.

32. Open the kill sheet working copy. Point the controller at the kill sheet working copy and pull the trigger.

33. Enter the calculated kill mud weight. Point the controller at the field and pull the trigger..



34. Order the mud to be weighted up. Bring your hand to the rig phone extension and pull the trigger.

35. Wait until the mud reaches kill weight. Point the controller at the mud weight readout and pull the trigger.

36. Pump the kill mud from surface to the bit and back to surface.

37. Instruct the assistant to bring the pump back to kill rate. Bring your hand to the rig phone extension and pull the trigger.

38. Hold the casing pressure constant during the ramp. Bring your hand to the choke open button and pull the trigger.

39. Watch the strokes-to-bit marker. Point the controller at the pump stroke counter and pull the trigger.

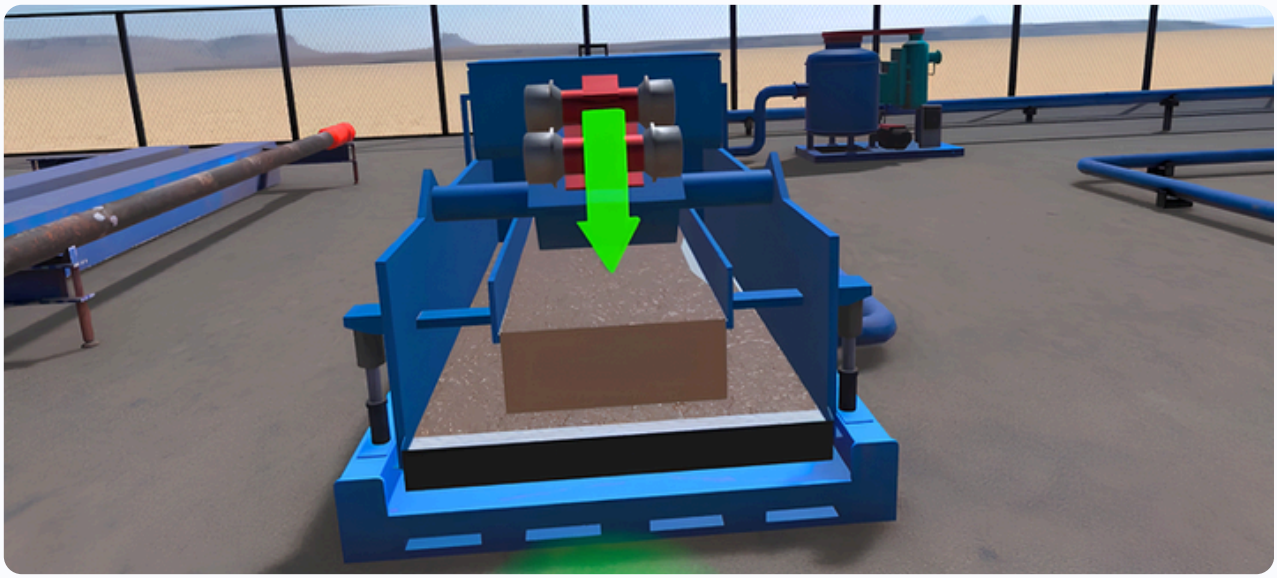
40. Watch the drillpipe pressure fall. Point the controller at the drillpipe pressure gauge and pull the trigger.

41. Hold the casing pressure constant until the kill mud reaches surface. Bring your hand to the choke open button or the choke close button and pull the trigger.

42. Confirm the casing pressure has fallen to zero. Point the controller at the casing pressure gauge on the console and pull the trigger.

43. Verify the well is dead and hand it back.

44. Instruct the assistant to shut the pump down. Bring your hand to the rig phone extension and pull the trigger.



45. Close the choke fully. Bring your hand to the choke close button and pull the trigger.

46. Confirm both gauges read zero. Point the controller at the drillpipe pressure gauge and pull the trigger.

47. Move to the blowout preventer control panel. To move point the controller at the green circle and pull the trigger.

48. Open the annular preventer. Bring your hand to the annular preventer handle and pull the trigger.

49. Move to the north-west railing. To move point the controller at the green circle and pull the trigger.

50. Inspect the flowline return stream at the shaker until the indicator is full.

51. Move back to the driller's console. To move point the controller at the green circle and pull the trigger.

52. Report the completed kill to the toolpusher. Bring your hand to the rig phone and pull the trigger.

53. The task is complete, you have successfully finished the Driller's Method kill scenario.

54. The task is completed.

55. To exit the task press the Menu button.

VR Trainee Certificate

Employees will receive a VR Trainee Certificate upon successfully completing a training module.



Certificate of Completion:
Finished the module, underperformed the pass threshold



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