

1. If a plunger rise velocity is too fast, which would you adjust first?
 - a. Add more afterflow
 - b. Reduce close time
 - c. Add close time

2. If a well opened as soon as the plunger reached the bottom hole spring, and the plunger surfaced too fast, how would you slow it down?
 - a. Add more off time
 - b. Add more afterflow
 - c. Use a better sealing plunger

3. When the well is closed, how would you determine the pressure created by the volume of liquid in the tubing?
 - a. TP-LP
 - b. CP-LP
 - c. CP-TP

4. Which pressure pushes a plunger to the surface?
 - a. Low Pressure
 - b. CP
 - c. TP

5. Which motor valve trim type is best for plunger lift?
 - a. Snap
 - b. Equal Percentage
 - c. Nominal

6. What is the purpose of afterflow?
 - a. Maximize gas sales
 - b. Control plunger fall velocity
 - c. Bring the same volume of liquid into the tubing

7. When is a single outlet lubricator OK for plunger lift?
 - a. When afterflow is long
 - b. When using a continuous flow plunger
 - c. When afterflow is zero

8. Which of the below affect how fast a plunger falls?
 - a. Plunger type
 - b. Tubing pressure
 - c. Plunger depth in the tubing

9. List the 4 stages of conventional plunger lift:

10. When would you select a continuous run plunger?
 - a. Flow rate is less than 500 mcf/d
 - b. Casing pressure is greater than 200 psi
 - c. CP is great enough to surface the plunger without closing the well

11. Should flowing bottom hole pressure be high or low to maximize production?
 - a. High
 - b. Low

12. Which wells would benefit from Gas Assisted Plunger Lift?
 - a. When close times are long
 - b. When line pressure is low
 - c. When there's too much liquid in the well for the available reservoir pressure

13. Which opening trigger does not compensate for cycle to cycle well variations?
 - a. Time
 - b. Pressure
 - c. Flow Rate

14. When should a 2 3/8" plunger be replaced?
 - a. When the plunger OD is less than 1.88
 - b. Before production is lost due to a worn plunger
 - c. When the plunger OD is less than 1.87

15. What's the best plunger rise velocity?
 - a. 500 to 1000 fpm
 - b. The one that maximizes production without damaging equipment
 - c. Depends on the plunger

16. When should a strong horizontal plunger lift well be closed?
 - a. As soon as the plunger arrives
 - b. After the liquid slug following the plunger to the surface clears the wellhead
 - c. When flow rate nears critical



17. What causes a plunger to change speed as it falls in the tubing?
- Hole in tubing
 - Higher pressure
 - Liquid column
18. Which items should be included in a preventative maintenance plan?
- Plunger, lubricator, pressure transducers, bottom hole spring
 - Those that have or can cause lost production time
 - Plunger, arrival sensor, dump valves, lubricator, bottom hole spring
19. Which is the “best” opening trigger?
- CP-LP
 - The one that keeps production on the natural decline curve
 - Time
20. If CP and TP equalize while the well is closed, what might that indicate?
- Liquid is coming into the tubing
 - Liquid is being pushed out of the tubing
 - Hole in the tubing
21. If TP is higher than LP when the well is open and flowing, what might that indicate?
- A surface restriction
 - Close time is too long
 - Too much liquid
22. What considerations should go into selecting a plunger?
- Price
 - Time for well to build to opening pressure
 - Sand in the well
 - Total cost
23. Which is a reasonable goal for volume of liquid in the tubing for each plunger cycle?
- 2 bbls
 - 1 ½ bbls
 - ¼ bbl
24. When should a standing valve be considered?
- If CP and TP equalize during the close cycle
 - Only if sand is in the well
 - Only when a continuous run plunger is used

