

Q.7) When should the slow circulating rate pressure be recorded?

(Select three answers)

- a. With bit near the bottom.**
- b. When bit nozzle size is changed.**
- c. After installation of BOP.**
- d. After liner size of pump is changed.**

Q.8) A gas kick is easier to detect in water based mud than in oil based mud. (True or False)

Q.9) Hydrocarbon gas is soluble in water based mud than in oil based mud. (True or False)

Q.10) Which of the following parameters will affect the SICP?

(Select three answers)

- a. Formation pressure**
- b. Drill string capacity**
- c. Annulus capacity**
- d. Bottom hole temperature**
- e. Volume of influx**

Q.11) Which of the following drilling practices would be considered when connection gas is noticed? (Select two answers)

- a. Pulling out of the hole to change the bit.**
- b. Raising the mud yield point.**
- c. Minimizing the time during a connection when the pumps are switched off.**
- d. Controlling drilling rate so that only one slug of connection gas is in the hole at a time.**
- e. Pumping a low viscosity pill around bit to reduce balling up of bit or stabilizers**

Q.12) At a depth of 1400 ft the formation pressure is 670 psi. This formation pressure is:

- a. Abnormal Pressure**
- b. Normal Pressure**
- c. Sub normal Pressure**

Q.1) Define the following:

Christmas tree, Degasser , Wildcat , Tool pusher, Roughneck

Q.2) Define the fishing process in oil well and discuss the causes of many fishing jobs.

Q.3) Discuss the three types of oil well control processes.

Q.4) Select the good operating practices from the list (THREE) while drilling top hole section.

- a) Maintain as high overbalance as possible.**
- b) Maintain high drilling rate**
- c) Maintain mud density as low as possible.**
- d) Continue to circulate when picking up for connection.**
- e) Circulate at maximum rate to create highest possible ECD.**
- f) Control drilling rate to avoid overloading the annulus with cuttings.**

Q.5) Why shut in casing pressure is usually higher than shut-in drill pipe pressure?

- a. The cuttings in the annulus are lighter.**
- b. The influx is usually less dense than the existing mud weight.**
- c. SICP is not necessarily higher; it depends on offshore or land operation.**
- d. The only difference is in the gauges used.**

Q.6) During Well Control Operation how complete loss zone can be recognized?

- a. Monitoring the return flow with the flow meter**
- b. Monitoring the weight indicator**
- c. Monitoring the pump SPM**
- d. Monitoring the active mud tank volume**