



قائمة الاسئلة

امتحان نهاية الفصل الدراسي الأول - للعام الجامعي 1446 هـ - كلية البترول والموارد الطبيعية :: هندسة إنتاج النفط - (305 PNGE) - المستن
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- 1) How can do we minimizing a production decline?
 - 1) + through artificial lifts
 - 2) - natural flow
 - 3) - drilling
- 2) Determine the main objective of completing the well is:
 - 1) - Maximum recovery of oil and gas production.
 - 2) - less cost
 - 3) - safe way
 - 4) + all of the above
- 3) Which one of the following considered as convential completion?
 - 1) + Open hole completion.
 - 2) - multi completion with real time pressure recording
 - 3) - multi- completion with downhome control equipment.
 - 4) - none of the above
- 4) the drive mechanism that provide natural energy necessary for oil recovery are the next:
 - 1) - gas cap drive.
 - 2) - water drive.
 - 3) - slution gas drive.
 - 4) - combinarion drive
 - 5) - garvety drinage drive
 - 6) + all of the above
- 5) Which of the following using as primary barriers in the drilling?
 - 1) + Bop
 - 2) - High pressure
 - 3) - overbalance mud capable of building a filter cake.
 - 4) - none of the above
- 6) In which situation open hole completion is preferred?
 - 1) - pay zone is thin.
 - 2) + In the hard formation.
 - 3) - formation fluid is gas.
- 7) What is the main advantage of openhole completion?
 - 1) - Decrease formation damage
 - 2) - No need for well cleanout
 - 3) + Easily converted to liner or perforated completions
- 8) What is the main disadvantage of openhole completion?
 - 1) - - Excessive gas or water production from stringers difficult to
 - 2) - Control.
 - 3) - - Selective fracing or acidizing more difficult.
 - 4) - - May require frequent cleanout.
 - 5) + all of the above
- 9) What is the main objective of slotede liner completion in the following?
 - 1) + Minimum formation damage
 - 2) - Excessive water/gas can be controlled
 - 3) - Selective stimulation possible
 - 4) - can easily be deepened
 - 5) - all of the above



- 10) One of the primary barrier during the pulling of the BOP from the well is following:
- 1) - casing
 - 2) packer and tubing
 - 3) - well head and tubing hanger
 - 4) - all of the above
- 11) When Tubingless completion should be proposed?
- 1) High production rates are required
 - 2) - High surface pressure are required
 - 3) - low production rates are required
 - 4) - none of the above
- 12) What is the limitation of using multiple string completion?
- 1) - packers cannot be used.
 - 2) - cannot produced oil and gas from the same well.
 - 3) Limited tubing size may restrict production.
- 13) The Completion type that allows more than one zone to produce from one tubing is:
- 1) commingled completion
 - 2) - sequential zonal completion
 - 3) - multi-zon completion
 - 4) - all of the above
- 14) The completion type that deplete pay zones in a well one after one is
- 1) - commingled completion
 - 2) - multi-zone completion
 - 3) sequential zonal completion
 - 4) - none of the above
- 15) What do we mean by the productivity index?
- 1) - it is a relation between the pressure an tempreture.
 - 2) it is a relation between the Q production rate and pressure .
 - 3) - it is a relation between the pressure an time.
- 16) The completion type that allows more than one zone to produced from tubing string and anulas are the following:
- 1) - commingled completion
 - 2) - singal string multi-zone completion
 - 3) - multi-zone completion
 - 4) daul completion.
- 17) Whne we need the artificial lift system?
- 1) - if the reservoir pressure is low
 - 2) - if the main drive mechanism water
 - 3) - during secondary recovery
 - 4) all the above
- 18) The production well parameters are the next:
- 1) - High volume LIQUID over 1000 BBLS/day
 - 2) - low liquid volume under 500 bbls/day
 - 3) all of the above
- 19) All of the following are the functional of production packers except:
- 1) - casing protection.
 - 2) zone isolation
 - 3) - Separation of multiple zones
 - 4) - all of above
- 20) The main reason for using the gas lift system is:





- 1) + to be back the well production.
 - 2) - to be drops the pressure in the production tubing.
 - 3) - to reduce the gas bubbles in the tubing.
- 21) Which of the following equipment is used to control well pressure?
- 1) - christmas tree
 - 2) - downhole safety valve
 - 3) - surface safety valve
 - 4) + all of the above
- 22) If sand production is notcid in a well, what should be the temporary solution to reduce it?
- 1) + decrease production rate
 - 2) - increase production rate
 - 3) - install sand screen
 - 4) - all of the above
- 23) If sand production is notcid in a well, what should be the permanent solution to reduce it?
- 1) - decrease production rate
 - 2) - increase production rate
 - 3) + install sand screen
 - 4) - all of the above
- 24) The completion designer need to the next information:
- 1) - fluid properties
 - 2) - rock characteristics
 - 3) - reservoir presure
 - 4) + all of the above
- 25) The well completion operations include:
- 1) - production packer
 - 2) - Xmas tree installation
 - 3) - Tubing (completion) string
 - 4) + all of the above
- 26) The advantages of perforeted liner is:
- 1) - Log interpretation is critical
 - 2) - Reduced well bore diameter
 - 3) + to continue production with out sand or formation damage
 - 4) - none of the above
- 27) Whne we are using the cased hole completion?
- 1) - hared reservoir rock.
 - 2) - in the carbonate rock.
 - 3) + in the sandstone reservoir.
 - 4) - all of the above
- 28) Which of the following considre artificial lift?
- 1) - gas lift system
 - 2) - ESP
 - 3) - Rod pump
 - 4) + all of the above
- 29) What is the main equepment of the gas lift?
- 1) - gas compressor.
 - 2) - valves.
 - 3) - spicial tubing.
 - 4) + all of the above.
- 30) Whne do we used the horizontal oil and gas well?





- 1) - to increase the oil recovery
 - 2) - to increase production from the thin formation
 - 3) - formation that have naturally fracture
 - 4) all of the above
- 31) The gathering system consist of the following?
- 1) - wellhead
 - 2) - flowline
 - 3) - separator
 - 4) all of the above
- 32) production system consist of the next except one:
- 1) - surface facilities
 - 2) - reservoir
 - 3) transformer
 - 4) - wellbore
- 33) Which of the following uses as secondary barrier for the drilling?
- 1) - casing /wellhead and bop
 - 2) - high pressure
 - 3) over balanced mud building filters cake
- 34) Inflow performance is the determination of the following:
- 1) production -related pressure.
 - 2) - reservoir completion.
 - 3) - different reservoir pressure.
 - 4) - to minimize production decline.
- 35) Is the Completion interface between the reservoir and surface production?
- 1) 1
 - 2) - 0
- 36) Does the well Completion always has tubing?
- 1) - 1
 - 2) 0
- 37) What is the secondary Barrier if the well operating naturally flowing :
- 1) down hole safety valve.
 - 2) - wellhead and choke valve.
 - 3) - packer.
 - 4) - SSSV.
- 38) Why do we preferred the oil and gas well?
- 1) - more productions
 - 2) establish effective flow communication between the wellbore and the formation
 - 3) - obtain clean
 - 4) - all of the above
- 39) When we are going to drilled horizontal oil well?
- 1) in the fracture basement reservoir
 - 2) - in the reservoir
 - 3) - in the sandstone reservoir
- 40) What are the application of the production packers?
- 1) - casing protection
 - 2) - separation of multiple zones
 - 3) - zone isolation
 - 4) all the above
- 41) The production packer divided into permanent and retrievable:





- 1) + 1
2) - 0
- 42) The gas and water coning is a term used to describe the movement of water and gas to the wellbore:
1) + 1
2) - 0
- 43) What is the reason for the coning:
1) - water movment.
2) - bad cement behind the casing.
3) - good permeability.
4) + all of the above
- 44) How can minimize the water and gas coning?
1) - select perfect places for new perforation.
2) - go to another formation.
3) - re completion.
4) + to produce by the optimum rate.
- 45) How can do we produce the heavy oil from the reservoir?
1) - natural flow
2) + artificial lift (cavitation pump)
3) - jet pump
4) - hydroilc pump
- 46) Sloted liner used to prevent the next:
1) - control of single interval.
2) + prevent hole collapse.
3) - formation damage.
4) - none of the above
- 47) What is the DST of oil and gas well test?
1) + it is a temporary test by drilling equipment
2) - it is atype of completion
3) - it's a new well
- 48) DST test it is the first test after drill the exploration oil well:
1) + 1
2) - 0
- 49) The gathering system consists of the following:
1) - flowline
2) - manifolds
3) - test separator
4) + all the above
- 50) The surface facilities designed to separate oil and gas, water and impurities:
1) + 1
2) - 0

