



قائمة الاسئلة

مقدمة في هندسة النفط والغاز - (225 PNGE) - المستوى الثاني - قسم هندسة نفط وغاز - الكل - كلية البترول والموارد الطبيعية - الفترة الأولى - درجة

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- 1) The deepest level of producible gas is called
 - 1) - OWC
 - 2) + GWC
 - 3) - WGC
 - 4) - OGC
- 2) The periodic process of adding a new joint of drill pipe to the drillstring as the hole deepens is referred.
 - 1) - making a trip
 - 2) + making a connection
 - 3) - rigging up
 - 4) - no answer
- 3) Exploration and Drilling Off-shore rigs include: تضم البحرية الحفارات
 - 1) - Semi-submersible platform
 - 2) - Drill ships
 - 3) - Jack up platform
 - 4) + All Answers
- 4) Hoisting system consist all of the following except ماعدا من كلا من يتكون والتنزيل الرفع نظام
 - 1) - Draw works
 - 2) - crown Block
 - 3) + Kelly
 - 4) - Traveling Block
- 5) Rotating system consist of the following parts except عدا ما من كلا من يتكون التدوير نظام
 - 1) - rotary table
 - 2) - Kelly
 - 3) - Drilling assembly
 - 4) + a drilling line
- 6) Pore pressure that is exerted by fluids contained in the pore space of the rock is generally referred to
 - 1) - Lithostatic pressure
 - 2) + Formation pressure
 - 3) - All Answers
 - 4) - No Answer
- 7) Lower and raise the drillstring, casings, and other subsurface equipment into or out of the well.
 - 1) - circulating system
 - 2) - rotaring system
 - 3) + hoisting system
 - 4) - no answer
- 8) A wire rope that is made of strands wounded around a steel core.
 - 1) - drilling line
 - 2) - fast line
 - 3) - dead line
 - 4) + All Answers
- 9) It is used to introduce mud into the drill pipe to cool and lubricate the bit.
 - 1) - hose
 - 2) + swivel
 - 3) - kelly
 - 4) - drill pipe





- 10) A heavy, thick-walled tube, usually steel, used between the drill pipe and the bit in the drill stem.
- 1) - drill pipe
 - 2) drill collar
 - 3) - drill bit
 - 4) - drill stem test
- 11) Made of high quality, treated steel, to prevent it from excessive wear caused by making and breaking connections. الحفر عدة تدوير من الناتج الانكسار لمنع عالية جودة ذات معالج حديد من صنعت
- 1) - hose
 - 2) - swivel
 - 3) kelly
 - 4) - drill pipe
- 12) Indicating lithology (using the ratio of compressional velocity over shear velocity) باستخدام الصخرية على يدل مجس الاختلاف بين السرعة التضاغطية والقصية
- 1) - density log
 - 2) sonic log
 - 3) - neutron log
 - 4) - gamma log
- 13) a well logging process in which drilling mud and drill bit cuttings from the formation are evaluated during drilling and their properties recorded on a strip chart
- 1) - LWD
 - 2) Well site Geology
 - 3) - FE
 - 4) - no answer
- 14) Consist of the following parts -rotary table, Kelly, Drilling assembly
- 1) - Circulation system
 - 2) - Hoisting system
 - 3) Rotary system
 - 4) - BOP system
- 15) Locations where oil and gas find the surface
- 1) - springs
 - 2) seeps
 - 3) - well
 - 4) - migration route
- 16) allow wireline-type information to be available as near as real-time as possible. قدر انية معلومات على بالحصول يسمح الامكان
- 1) - DST
 - 2) LWD
 - 3) - Well site Geology
 - 4) - FE
- 17) Is a means of obtaining information concerning the liquid and pressure in an open-hole formations للحصول وسيلة على معلومات عن الموانع والضغط في التكوين المفتوح
- 1) - LWD
 - 2) - Well site Geology
 - 3) - FE
 - 4) DST
- 18) cheaper, technique for obtaining samples of the formation الصخري التكوين من عينات على للحصول رحيصة تقنية
- 1) - core plug
 - 2) sidewall coring
 - 3) - whole core





- 4) - All answers
- 19) the process of interpreting a combination of measurements taken inside a wellbore to detect and quantify oil and gas reserves in the rock adjacent to the well. والغاز النفط من الاحتياطي كمية على للحصول قياس من لاكثر تفسير عملية.
- 1) - LWD
2) - Well site Geology
3) FE
4) - DST
- 20) The characteristic that allows rock to hold fluid and gas is known as:
- 1) - virtuosity
2) - capacity
3) porosity
4) - elasticity
- 21) is an expensive operation that usually stops or slows drilling operation عملية من تبطأ او توقف العادة في مكلفة عملية الحفر
- 1) - core plug
2) - sidewall coring
3) whole core
4) - All Answers
- 22) Once the core is retrieve to surface then it is important that it should remain as unchanged as possible. عند الحصول على العينات اللبابية على السطح من الضروري ان تبقى غير متغيرة قدر الامكان
- 1) - core sampling
2) core preservation
3) - core analysis
4) - no answer
- 23) A well which produces oil or gas without any means of artificial lift.
- 1) - production well
2) Flowing Well
3) - exploration well
4) - Oil well
- 24) a technique used to bring oil from the reservoir to the surface because of decreasing reservoir pressure.
- 1) artificial lift
2) - natural drives
3) - production engineering
4) - no answer
- 25) There are currently () common methods of artificial lift
- 1) - three
2) foure
3) - five
4) - only two
- 26) The pump is designed to be inserted inside the tubing of a well and its main purpose is to gather fluids from beneath it and lift them to the surface
- 1) - ESP pump
2) Beam Pumping
3) - Hydraulic pumping
4) - no answer
- 27) Reservoir engineer has to understand the nature and behavior of rock and fluids in the reservoir يجب المكن مهندس عليه ان يفهم طبيعة وسلوك الصخور والموائع في المكن
- 1) - Objectives of reservoir engineering
2) - Functions of Reservoir engineering





- 3) - Basic concerns of reservoir engineers
4) + Scope of Reservoir engineering
- 28) Limited to onshore application (big surface unit required).
1) - ESP pump
2) + Beam Pumping
3) - Hydraulic pumping
4) - no answer
- 29) Not feasible if no source of gas
1) - ESP pump
2) - Beam Pumping
3) - hydraulic pumping
4) + Gas lift
- 30) Multiwell production from a single package.
1) - ESP pump
2) - Beam Pumping
3) + Hydraulic pumping
4) - Gas lift
- 31) MBE equation
1) + used to calculate the initial reserve
2) - used to calculate the initial pressure
3) - used to calculate the initial reservoir
4) - no answer
- 32) Initial reservoir oil volume, STB الممكن في الاصلى النفط حجم يمثل الذي الاتزان معادلة رموز احد
1) - B_{oi}
2) + N
3) - N_p
4) - B_o
- 33) The phase of engineering which deals with the transfer of fluids to, from or through the reservoirs
1) - Drilling Engineering
2) + Reservoir Engineering
3) - Production Engineering
4) - Reservoir Engineer
- 34) To continuously monitor the reservoir and collect relevant data and interpret it
1) - Objectives of reservoir engineering
2) + Functions of Reservoir engineering
3) - Basic concerns of reservoir engineers
4) - Scope of Reservoir engineering
- 35) During drilling operation, the rotation is
1) - to the left
2) + to the right
3) - to the right then to the left
4) - no answer
- 36) The Effects of Diagenesis that Degrade Reservoir Quality is
1) - dissolution
2) + compaction
3) - recrystalization
4) - All Answer
- 37) Supervises all drilling operations and is the leading man of the drilling contractor on location.
1) + Tool Pusher





- 2) - Derickman
3) - Supervisor
4) - company representative
- 38) The Post-Depositional Chemical and Mechanical Changes that Occur in Sedimentary Rocks
- 1) - dissolution
2) diagenesis
3) - metagenesis
4) - catagenesis
- 39) The most common drilling rigs in use today is the off-shore rigs
- 1) - off shore rigs
2) - onshore rigs
3) rotary rigs
4) - portable rigs
- 40) The head of the drill site – Representative of the oil operating company. The rig crew and any service company at site should report to him
- 1) - Tool Pusher
2) - Derickman
3) - Supervisor
4) company representative
- 41) the process of moving the drillstring out of the hole, change the bit or alter the bottom-hole assembly, and lower the drillstring again into the hole is referred
- 1) making a trip
2) - making a connection
3) - rigging up
4) - no answer

