Drilling rig (petroleum)

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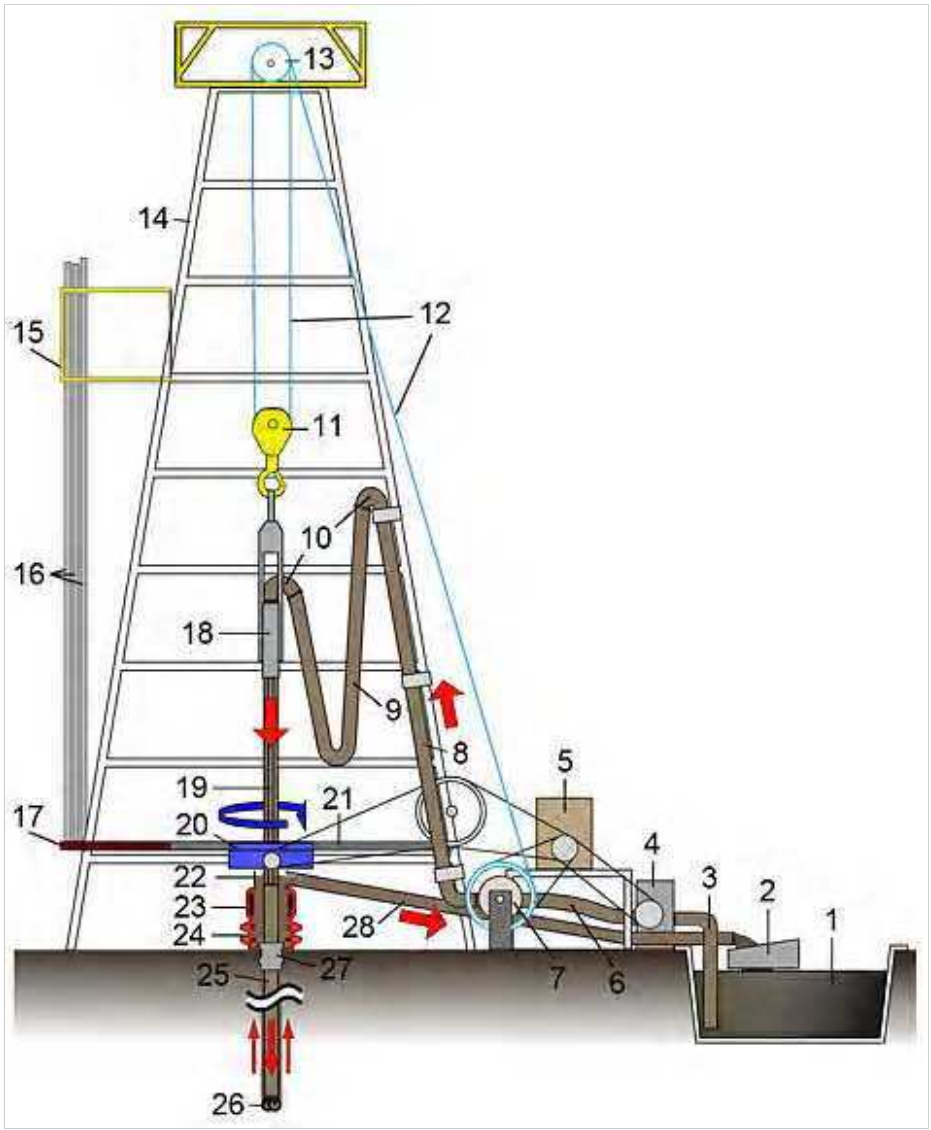

Simple diagram of a drilling rig and its basic operation

The equipment associated with a rig is to some extent dependent on the type of rig but typically includes at least some of the following items:

1. Mud tank
2. Shale shakers
3. Suction line (mud pump)
4. Mud pump
5. Motor or power source
6. Vibrating hose
7. Draw-works
8. Standpipe
9. Kelly hose
10. Goose-neck
11. Traveling block
12. Drill line
13. Crown block
14. Derrick
15. Monkey board
16. Stand (of drill pipe)
17. Pipe rack (floor)
18. Swivel (On newer rigs this may be replaced by a Top Drive)
19. Kelly drive
20. Rotary table
21. Drill floor
22. Bell nipple
23. Blowout preventer (BOP) Annular
24. Blowout preventers (BOPs) Pipe ram & Blind ram
25. Drill string
26. Drill bit
27. Casing head
28. Flow line

- Bell nipple: (#22) a section of large diameter pipe fitted to the top of the blowout preventers that