**BOP wellhead connections (OPS.03.01.05)**

After run of surface casing or intermediate string when further drilling before run of the next string anticipates opening of gas or gas-condensate horizons, or confined oil and water-bearing horizons, over-pressured formations, and when prospect well or unexplored well log is drilled, the wellhead should be equipped with blowout preventor equipment in accordance with the approved BOP connections plan.

The requirements of the International standards, Oil and Gas Industry Safety Rules and Regulations of the Republic of Kazakhstan, Blowout prevention Instructions, BOP Standards should be taken into account when developing the standard wellhead connections scheme, also considering geological and engineering conditions of drilling of producing and prospect wells. The standard wellhead connections scheme should be adjusted for every drill rig considering terrain relief, power transmission lines, roads and other facilities and communications.

The wellhead connections are to be serviceable and shall:

* Provide reliable wellhead sealing both with drilling instrument run in and pulled out from the well;
* Allow conduct of normal and reverse circulation of well;
* Allow replacement of gas cut circulation fluid with fresh fluid with necessary backpressure;
* Allow well discharge by blow off of liquid or gas through exhaust lines;
* Allow controlling the well pressure with pressure-sealed wellhead and during flushing-out of well with backpressure;
* Allow installation of additional blowout preventor equipment;
* Allow withdraw of gas and oil from well to safe distance;
* Prevent contamination of environment by fluid from the well.

Procedure for development, agreeing and approval of wellhead BOP connection scheme shall be ass follows:

* After a contract with drilling Contractor is signed for drilling operations, Contractor shall submit to the drilling department a scheme and completeness of BOP specifying necessary sizes and dimensions.
* Based on information provided by Contractor, Company drilling department and drilling supervisor shall develop a standard wellhead BOP connection scheme adjusted to given geological-and-technical conditions of the well.
* The standard BOP connections scheme, prepared by the drilling department shall be agreed in \_\_\_\_\_\_\_\_\_\_\_\_\_\_ and \_\_\_\_\_\_\_\_\_ controlling authorities, and then approved by the drilling manager of \_\_\_\_\_\_\_\_\_\_\_\_\_ Company.
* As soon as approved, the wellhead BOP connections scheme is to be passed to the drilling Contractor as guidance.

(Persons in charge: drilling department, drilling supervisor, drilling Contractor).