§ 250.449 What additional BOP testing requirements must I meet?

You must meet the following additional BOP testing requirements:

(a) Use water to test a surface BOP system;
(b) Stump test a subsea BOP system before installation. You must use drilling fluids to conduct subsequent tests of a subsea BOP system;
(c) Alternate tests between control stations and pods;
(d) Pressure test the blind or blind-shear ram BOP during stump tests and at all casing points;
(e) The interval between any blind or blind-shear ram BOP pressure tests may not exceed 30 days;
(f) Pressure test variable bore-pipe ram BOPs against the largest and smallest sizes of pipe in use, excluding drill collars and bottom-hole tools;
(g) Pressure test affected BOP components following the disconnection or repair of any well-pressure containment seal in the wellhead or BOP stack assembly;
(h) Function test annular and ram BOPs every 7 days between pressure tests; and
(i) Actuate safety valves assembled with proper casing connections before running casing.

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§ 250.450 What are the recordkeeping requirements for BOP tests?

You must record the time, date, and results of all pressure tests, actuations, and inspections of the BOP system, system components, and marine riser in the driller’s report. In addition, you must:

(a) Record BOP test pressures on pressure charts;
(b) Require your onsite representative to sign and date BOP test charts and reports as correct;
(c) Document the sequential order of BOP and auxiliary equipment testing and the pressure and duration of each test. For subsea BOP systems, you must also record the closing times for annular and ram BOPs. You may reference a BOP test plan if it is available at the facility;
(d) Identify the control station and pod used during the test;
(e) Identify any problems or irregularities observed during BOP system testing and record actions taken to remedy the problems or irregularities; and
(f) Retain all records, including pressure charts, driller’s report, and referenced documents pertaining to BOP tests, actuations, and inspections at the facility for the duration of drilling.

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§ 250.451 What must I do in certain situations involving BOP equipment or systems?

The table in this section describes actions that lessees must take when certain situations occur with BOP systems during drilling activities.

<table>
<thead>
<tr>
<th>Situation</th>
<th>Action</th>
</tr>
</thead>
<tbody>
<tr>
<td>BOP equipment does not hold the required pressure during a test.</td>
<td>Correct the problem and retest the affected equipment.</td>
</tr>
<tr>
<td>Need to repair or replace a surface or subsea BOP system.</td>
<td>First place the well in a safe, controlled condition (e.g., before drilling out a casing shoe or after setting a cement plug, bridge plug, or a packer). Record the reason for postponing the test in the driller’s report and conduct the required BOP test on the first trip out of the hole. Suspend further drilling operations until that station or pod is operable. Install two or more sets of conventional or variable-bore pipe rams in the BOP stack to provide for the following: two sets of rams must be capable of sealing around the larger-size drill string and one set of pipe rams must be capable of sealing around the smaller-size drill string.</td>
</tr>
<tr>
<td>Need to postpone a BOP test due to well-control problems such as lost circulation, formation fluid influx, or stuck drill pipe.</td>
<td>Test the ram bonnets before running casing. Demonstrate that your well control procedures or the anticipated well conditions will not place demands above its rated working pressure and obtain approval from the District Manager.</td>
</tr>
<tr>
<td>BOP control station or pod that does not function properly.</td>
<td></td>
</tr>
<tr>
<td>Want to drill with a tapered drill-string.</td>
<td></td>
</tr>
<tr>
<td>Install casing rams in a BOP stack.</td>
<td></td>
</tr>
<tr>
<td>Want to use an annular BOP with a rated working pressure less than the anticipated surface pressure.</td>
<td></td>
</tr>
<tr>
<td>Use a subsea BOP system in an ice-scour area.</td>
<td></td>
</tr>
</tbody>
</table>

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