Form 21 Mechanical Integrity Test

Instructions for completing the Form 21, Mechanical Integrity Test for submission in eForm.

Required for eForm submission

- Completed test form from field (please see Practices and Procedures - Mechanical Integrity Tests for detailed instructions for requirements)
- Document number from Field Operations Notice, Form 42 - Mechanical Integrity Test (MIT)
- Pressure test (chart) for all non-witnessed mechanical integrity tests
- Document number for Field Inspection Report for witnessed tests

The Wizard will require the operator number, well API number, test date and the submission date. eForm will auto-populate the operator and well information based on these entries. eForm will auto-populate the last approved MIT date from the COGCC database.

The Operator Comments box are available the Submit tab.

eForms divides each form into “TABS”

Well/Location Tab (1 of 6)

Mailing Info and well information: auto-populated by eForms from Operator Number in Form 21 Wizard (grayed out)

Contact Name & Info: will need to be entered, should be the best person to answer questions about this form, being a Designated Agent is optional for this person - can be the same person as listed on the Submit tab.
Well type: this is either an idle production well or an injection well

Test type:

- for a production well it is either VERIFICATION OF REPAIRS or SI/TA MAINTENANCE STATUS
- For an injection well - there are four options - 5 YEAR UIC TEST, RESET PACKER, VERIFICATION OF REPAIRS, or ANNUAL UIC TEST
**Injection/Producing Zone(s):** this should be the shallowest open formation (there is a dropdown).

**Perforated Interval:** this should be the perforations that correspond to the listed zone. This can be entered as a range, e.g. 7120’ - 7177’

- For a cased hole without any perforations enter NP in this box

**Open Hole Interval:** If the well completion is open hole instead of perforated, enter the open hole interval. This can be entered as a range, e.g. 7120’ - 7177’

**Casing Test** - use when perforations or open hole is isolated by a bridge plug or a cement plug

**Bridge Plug or Cement Plug Depth:** this depth should be the top of the bridge plug or cement plug (If cased-hole only (no perforations or open hole interval), this depth should be the plugback depth)

**Tubing Casing/Annulus Test** - use when well has tubing and a packer (usual configuration for injection wells)

- If this test is performed, all of these entries are required - tubing size, tubing depth and the top of the packer depth

🌟 The Form 21 is looking for either the top of the packer depth or the bridge plug depth - it will generate an error if both are filled-in. The correct depth is where the downhole segment is isolated.
**Test Data**

![Test Data Table](image)

- **Test Date** - date the mechanical integrity test was performed
- **Well Status During Test** - dropdown to choose whether well shut-in or injecting during MIT
- **Casing Pressure Before (psi)** - this is the static pressure prior to pressurizing the casing for the MIT*
  - For vacuum situations enter a -1
- **Initial Tubing Pressure (psi)** - this is the tubing pressure prior to pressurizing the casing for the MIT*
- **Final Tubing Pressure (psi)** - this is the tubing pressure at the end of the MIT*
- **Casing Pressure Start Test (psi)** - this is the pressure that the casing is pressured to to begin the MIT
- **Casing Pressure 5 min (psi)** - casing pressure at 10 minutes into test
- **Casing Pressure Final (psi)** - casing pressure at the conclusion of the test (15 min)
- **Pressure Loss or Gain During Test** - this is a calculated value. A passing test must show less than a 10% loss or gain.
- **Test Witnessed by State Representative** - dropdown to choose if test witnessed by state representative. A state witnessed test will require the Field Inspection Report Document number to be included as a Related Form.
- **OGCC Field Representative** - dropdown with field inspectors and engineering represented. If the well is an injection well under EPA jurisdiction, please enter EPA as the inspector.
Submit Tab (3 of 6)

OPERATOR COMMENTS AND SUBMITTAL - please provide any comments that may be pertinent to the MIT

Submitter’s Information - checkbox if same as Contact - will auto populate with the same information as provided for Contact. All three boxes are required to be filled-in.

Related Forms Tab (4 of 6)

Related Forms - the Form 42, Field Operations Notice for MIT is a required Related Form for submission of the Form 21. If the MIT was witnessed by a state representative, the Field Inspection Report Document number is also a required Related Form.

Attachments Tab (5 of 6)

Attachments for Document: 1726841

<table>
<thead>
<tr>
<th>Doc</th>
<th>Name</th>
<th>View</th>
</tr>
</thead>
<tbody>
<tr>
<td>FORM 21 ORIGINAL</td>
<td>LF23515451</td>
<td>1726841</td>
</tr>
<tr>
<td>PRESSURE CHART</td>
<td>LF23515452</td>
<td>1726842</td>
</tr>
</tbody>
</table>
eForm will auto populate the FORM 21 ORIGINAL once the form is submitted. A Pressure Chart should be included for those wells that were not witnessed by a state representative and should be included if one was run as part of the MIT. Temperature or tracer surveys can also be attached.

**Review Tab (6 of 6)**

Internal review tab for the form approval.