

Industry Tip

Annulus Test Results

Date	Module/Application/Functionality	Notes
August 6, 2025	Annulus Test	Informational

BACKGROUND

Previously, Industry was instructed to record annulus test results data on the Annulus Test Form and retain these results for a period of five years. An IRIS enhancement was made enabling Industry to record these test results directly into IRIS. This document provides information on how to enter Annulus Test results into the Test tab under Well Details. An Annulus Test Import file is available, which will allow the user to upload multiple test results for multiple wells at one time.

Please see *Guideline PNG 029 Annulus Test Reporting Requirements*
<https://publications.saskatchewan.ca/#/products/76966> for general Annulus Test requirements including:

- Which wells require a test;
 - NOTE:** ER is providing a clarification to *Guideline PNG 029* regarding types of wells to be tested. This clarification requires an annulus test to be conducted on all Injection and Disposal wells including Injection and Disposal wells with alternate configurations such as polybore or slimhole and suspended Injection or Disposal wells. This correction will be made to *Guideline PNG029* upon Guideline review but it is intended for Industry to follow this clarification immediately.
- Frequency of tests;
- What to do if a test fails;
- When a retest is required; and
- Notification of a test or test failure.

PROCESS

Individual Annulus Test Results Data:

Navigate to the well details of the well being tested using the UWI, CWI or well licence number. Once in the well details screen, click on the *Tests* tab to show the list of tests available. Choose and click on *Annulus Tests* to *Add Detailed Annulus Test Results*, and click the green plus sign.

Well: [REDACTED]

Well CWI [REDACTED] Licence # [REDACTED] Boss UWI [REDACTED] Well UWI (ID) [REDACTED] Surface Location [REDACTED] Well Status [Active]

Configuration [Single Zone] Trajectory [HORIZONTAL] Off Confidential [2014-02-23] Completion Status [WATER ACTIVE INJ N/A] Pool [235018 - Maidstone East Cummings Sand Pool] Completion Type [Press Maint - Water Injection]

Well Summary Main Drilling Activity Wellbores Casings Completions **Tests** Logs Attachments Obligations Field Work Notifications Well Sets Well Flags Work Items Associated Entities Authorized Organizations

Reclamation

Drill Stem Tests

Well Fluid Analysis

Well Completion Fluid Analysis

Core Analysis Tests

Surface Casing Vent Flow Tests

Test & Analysis

Annulus Tests

No Annulus Tests

[Add Detailed Annulus Test Results](#)

Audit History

Build: 9.20.0.23156 Environment: QA

Main Tab – Annulus Test Section: Contains general information regarding the test and contact details.

Add Detailed Annulus Test Results

Main Attachments

Annulus Test

Well * [REDACTED]

Test Type * [REDACTED]

Date Of Test * [REDACTED]

Licensee Contact Name * [REDACTED]

Licensee Contact Phone Number * [REDACTED]

Licensee Contact Email * [REDACTED]

Tester Contact Name * [REDACTED]

Tester Contact Phone Number * [REDACTED]

Tester Contact Email [REDACTED]

Was 24hr Notification to the Appropriate Field Office provided for this Test? * [REDACTED]

Is this Well Equipped with Continuous Monitoring? * [REDACTED]

Test Type – Annual or Retest

- Annual test completed every calendar year as required
- Retest required when a repair has been completed after a failed test
 - If Retest is selected a Warning message is triggered *“Has the Injection Packer depth changed? If yes, ensure new depth is recorded in the Packers/Plugs tab in Well Details.”*

Add Detailed Annulus Test Results

Main Attachments

Annulus Test

Well * [REDACTED]

Test Type * [Retest]

Date Of Test * [REDACTED]

Licensee Contact Name * [REDACTED]

Licensee Contact Phone Number * [REDACTED]

Licensee Contact Email * [REDACTED]

Tester Contact Name * [REDACTED]

Tester Contact Phone Number * [REDACTED]

Tester Contact Email [REDACTED]

Was 24hr Notification to the Appropriate Field Office provided for this Test? * [REDACTED]

Is this Well Equipped with Continuous Monitoring? * [REDACTED]

Warning

Has the Injection Packer depth changed?

If yes, ensure new depth is recorded in Packers/Plugs tab in Well Details.

Close

Date of Test

- Cannot enter a date prior to January 01, 2025.

Contact Requirements

- *Licencee Contact Name, Phone Number and Email* are mandatory fields. Licensee contact refers to applicable licensee personnel who are responsible for managing annulus testing procedures completed on wells.
- *Tester Contact Name and Phone Number* are mandatory fields. Tester contact refers to personnel conducting the testing activities on the well and was on site during testing operations.

“Was 24hr notification to the Appropriate Field Office Provided for this Test?” Yes or No

- Information question, 24hr notification should be given to the appropriate field office prior to the start of an annulus test. This applies to an annual test and a retest.

“Is this Well Equipped with Continuous Monitoring?” Yes or No

- If answered Yes, the user must answer *“Do you have Ministry approval to perform Continuous Monitoring?”*
- If answered No, detailed test data is required.

“Do you have Ministry approval to perform Continuous Monitoring?” Yes or No

- If answered Yes, the user will be asked *“Is a manual Annulus Test required at this time?”*
- If answered No, detailed test data is required.
 - Warning message triggered *“Wells cannot be equipped with Continuous Monitoring without Ministry Approval. Only in specific circumstances will this Approval be provided. Contact the Appropriate Field Office for assistance.”*

The screenshot shows a web form titled "Add Detailed Annulus Test Results" with tabs for "Main" and "Attachments". The "Main" tab is active, displaying the "Annulus Test" section. Fields include "Well" (text), "Test Type" (dropdown set to "Annual"), "Date Of Test" (calendar icon showing "2025-06-23"), "Licensee Contact Name", "Licensee Contact Phone Number", "Licensee Contact Email", "Tester Contact Name", "Tester Contact Phone Number", "Tester Contact Email", "Was 24hr Notification to the Appropriate Field Office provided for this Test?" (dropdown set to "No"), "Is this Well Equipped with Continuous Monitoring?" (dropdown set to "Yes"), and "Do you have Ministry Approval to perform Continuous Monitoring?" (dropdown set to "No"). A yellow arrow points from the "Do you have Ministry Approval..." dropdown to a "Warning" dialog box. The dialog box contains the text: "Wells cannot be equipped with Continuous Monitoring without Ministry Approval. Only in specific circumstances will this Approval be provided. Contact the Appropriate Field Office for assistance." and a "Close" button. Below the "Annulus Test" section is the "Detailed Results" section, which includes "Injection Packer Present" (dropdown), "Initial Pressure (kPa)" (text), and "Tubing or Injection" and "Annulus" (text).

“Is a manual Annulus Test required at this time?”

- If answered Yes, detailed test data is required.
- If answered No, a monitoring report attachment is required.
 - Warning message triggered *“A Monitoring Report is required to be attached.”*

Add Detailed Annulus Test Results

Main Attachments

Annulus Test

Well *

Test Type * Annual Date Of Test * 2025-06-23

Licensee Contact Name * Licensee Contact Phone Number * Licensee Contact Email *

Tester Contact Name * Tester Contact Phone Number * Tester Contact Email *

Was 24hr Notification to the Appropriate Field Office provided for this Test? * No

Is this Well Equipped with Continuous Monitoring? * Yes

Do you have Ministry Approval to perform Continuous Monitoring? * Yes

Is a manual Annulus Test required at this time? * No

Warning

A Monitoring Report is required to be attached.

Close

Main Tab - Detailed Results Section: Contains detailed results data of the test performed.

Detailed Results

Injection Packer Present *

Initial Pressure (kPa)

Tubing or Injection * Annulus *

Annulus Bleed Off

Bled to Zero? * Remained at Zero for 10 minutes? *

Test Pressure (kPa) and Fluid Volume (m3)

Initial * Final * Fluid Required to Fill Annulus * Percent Change from Initial to Final Pressure (%)

Compliance

Remained at Test Pressure for 10 minutes? * Test Duration (minutes) * Test Conclusion *

Inhibited Fluid Left in Annulus

Inhibited Fluid *

Remarks

Discard Changes Save

“Injection Packer Present?” Yes or No

- If answered Yes, continue with detailed test data.
- If answered No, user will be asked a question to describe the *“Downhole Configuration.”*
 - Drop down menu consisting of: Bridge Plug/WR Plug
Cased
Polybore
Slim Hole

Initial Pressure (kPa)

- *Tubing or Injection*
 - Only enter positive numeric value or zero and without decimal points. Maximum five integers.
- *Annulus*
 - Only enter positive numeric value or zero and without decimal points. Maximum five integers.

Annulus Bleed Off

- “Bled to Zero?” Yes or No
- “Remained at Zero for 10 minutes?” Yes or No

Test Pressure (kPa) and Fluid Volume (m3)

- *Initial*
 - Only enter positive numeric value and without decimal points. Cannot be zero.
- *Final*
 - Only enter positive numeric value or zero and without decimal points.
- *Fluid Required to Fill Annulus*
 - Only enter positive numeric value or zero and with up to three decimal points. Maximum five integers and 3 decimal places.
- *Percent Change from Initial to Final Pressure (%)*
 - System calculated field – no data entry allowed

Compliance

- “Remained at Test Pressure for 10 minutes?” Yes or No
- *Test Duration* (minutes)
 - Only enter positive numeric value or zero and without decimal points. Maximum five integers.
- *Test Conclusion* – Pass or Fail
 - If Test Conclusion is answered Fail, additional informational questions are asked.

Compliance

Remained at Test Pressure for 10 minutes? * Test Duration (minutes) * Test Conclusion *

Has the Injection/Disposal been Shut In? *

Has the Local Field Office been Notified? *

- *Has the Injection/Disposal been Shut In?* Yes or No
 - If answered No, a Warning “Well must be shut in unless otherwise approved by the local field office.”

Compliance

Remained at Test Pressure for 10 minutes? * Test Duration (minutes) * Test Conclusion *

Has the Injection/Disposal been Shut In? *

Has the Local Field Office been Notified? *

Inhibited Fluid Left in Annulus

Inhibited Fluid *

Remarks

Warning

Well must be shut in unless otherwise approved by the local field office.

Close

- *Has the Local Field Office been Notified?* Yes or No
 - If answered No, “Notification must be provided to the local field office.”

Compliance

Remained at Test Pressure for 10 minutes? * Test Duration (minutes) * Test Conclusion *

Has the Injection/Disposal been Shut In? *

Has the Local Field Office been Notified? *

Inhibited Fluid Left in Annulus

Inhibited Fluid *

Remarks

Warning

Notification must be provided to the appropriate local field office.

Close

Inhibited Fluid Left in Anulus

- *Inhibited Fluid* – Yes or No

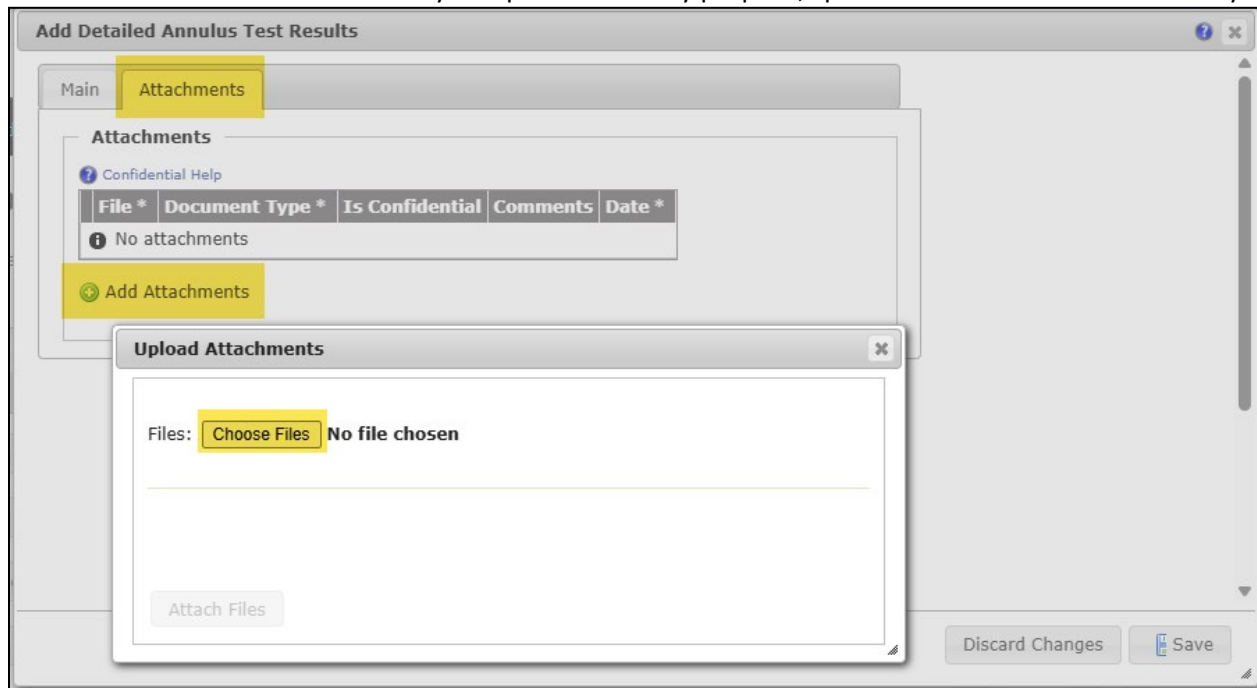
Remarks

- Provide any discussion on the test, procedure or results you feel are required.
 - Freeform field that allows alphanumeric entry.

Test Results Entered in Error

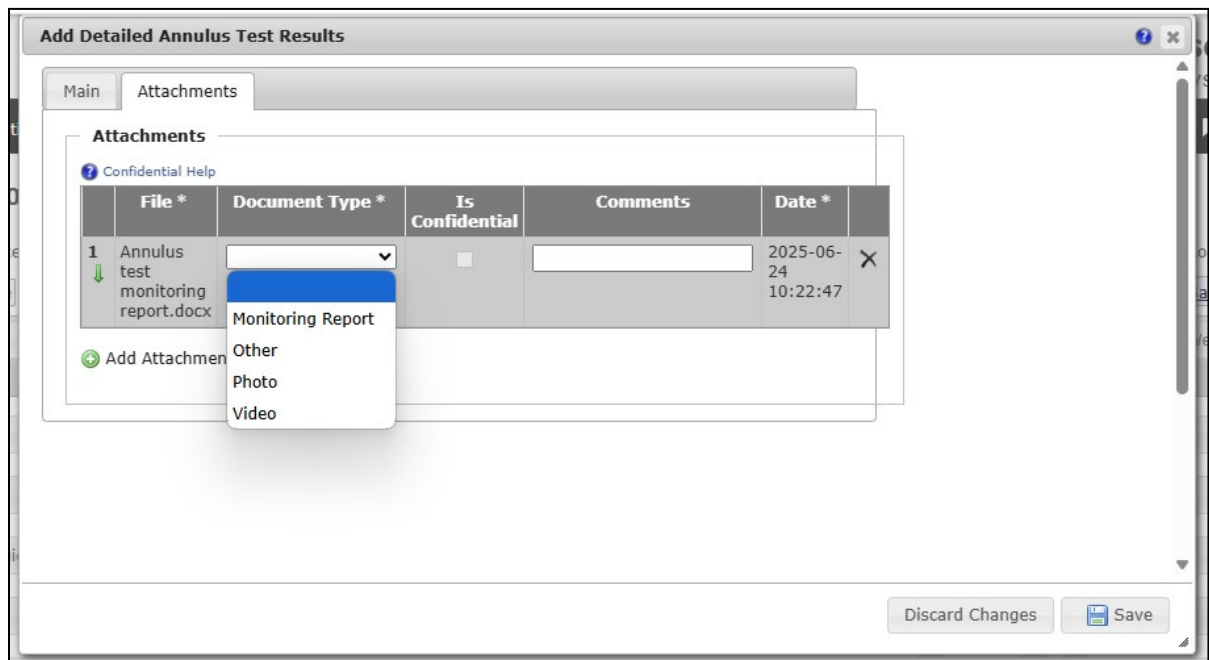
If the user discovers a test result entered in error please contact the PNG support line 1-844-764-3637 or the appropriate field office to discuss a request to amend the test data.

Attachments Tab - Attachments may be uploaded for any purpose, specific attachments are mandatory.



User can choose from the following document types:

- Monitoring Report
- Other
- Photo
- Video



A document attachment is mandatory if:

- “Is this Well Equipped with Continuous Monitoring?” Yes
- “Do you have Ministry approval to perform Continuous Monitoring?” Yes
- “Is a manual Annulus Test required at this time?” No
 - Warning message triggered “A Monitoring Report is required to be attached.”

Add Detailed Annulus Test Results

Main Attachments

Attachments

Confidential Help

	File *	Document Type *	Is Confidential	Comments	Date *
1	Annulus test monitoring report.docx	Monitoring Report	☐		2025-06-24 10:22:47

Add Attachment

Discard Changes Save

Annulus Test view/open the attachment.

Annulus Test: 37

Details Attachments

Attachments

File Name	File Type	Is Confidential	Comment	Date	Actions
Annulus test monitoring report.docx	Monitoring Report	☐	continuous monitoring report	2025-06-24 10:33:36	

Add (INF) Annulus Test Documents

Summary Results View

Annulus tests completed on a well are viewable through the summary results screen.

Well: SK0117310

Well CWI: SK0117310 Licence #: 13G136 - 12948 - CENOVUS ENERGY INC. Boss UWI: SK WI 194091204723W300 Well UWI (ID): 194/09-12-047-23W3/00 Surface Location: 09-11-047-23W3 Well Status: Active

Configuration: Single Zone Trajectory: HORIZONTAL Off Confidential: 2014-02-23 Completion Status: WATER ACTIVE INJ N/A Pool: 235018 - Maidstone East Cummings Sand Pool Completion Type: Press Maint - Water Injection

Well Summary Main Drilling Activity Wellbores Casings Completions **Tests** Logs Attachments Obligations Field Work Notifications Well Sets Well Flags Work Items Associated Entities Authorized Organizations

Reclamation

Drill Stem Tests

Well Fluid Analysis

Well Completion Fluid Analysis

Core Analysis Tests

Surface Casing Vent Flow Tests

Test & Analysis

Annulus Tests

Annulus Test ID	Date Of Test	Test Type	Injection Packer Present	Downhole Configuration	Tubing/Injection Pressure (kPa)	Annulus Pressure (kPa)	Initial Test Pressure (kPa)	Final Test Pressure (kPa)	% Change	Bled To Zero	Remained At Zero	Test Conclusion	Actions
37	2025-06-24	Annual											
38	2025-06-24	Retest	Yes		1000	100	700	698	0.2857 decrease	Yes	Yes	Pass	

[Add Detailed Annulus Test Results](#)

Note: if no data shows up under an individual test summary view, the test was likely indicated as continuous monitoring and a monitoring report will be attached to the test.

- Each test has a unique identifier (ID number) and details of the test can be viewed from this screen or by entering the individual test using the *Actions* button.

Annulus Test Bulk Upload

Users can upload multiple annulus test results using the Annulus Test Data Import application located under *Data Import*.

Government of Saskatchewan Ministry of Energy and Resources Integrated Resource Information System

Tenure Applications Infrastructure MRT Reports Security Reports Support Quick Search Map Viewer **Data Import** Menu Search

Data Import

Well

- Geological Marker Import
- Annulus Test Import**

Tenure Applications Infrastructure MRT Reports Security Reports Support Quick Search Map Viewer Data Import Menu Search

Annulus Test Import

Annulus Test Import *

[Choose File](#) No file chosen

Import Annulus

Click [here](#) to obtain a sample template for Annulus Test Import.

A copy of the Annulus Test Import form is available by clicking the link provided in IRIS. The Annulus Test Import file can also be found on the Publications webpage at <https://publications.saskatchewan.ca/#/products/76841> or on the Annulus Test Requirements webpage at <https://www.saskatchewan.ca/business/agriculture-natural-resources-and-industry/oil-and-gas/oil-and-gas-licensing-operations-and-requirements/annulus-testing-requirements>.

- Acquire the Annulus Test Import file, complete the template using the “How To” work sheet within the Excel Spreadsheet and save.
- The Annulus Test Import file will contain the same data rules as if the user was entering a single manual test. See the sections in this Tip titled Main Tab – Annulus Test and Main Tab – Detailed Results for an explanation of the rules, warnings and error messages.

Sample of Annulus Test Import File:

A	B	C	D	E	F	G	H	I	J
Annulus Test Section									
Well Licence	Test Type	Date of Test	Licensee Contact Name	Licensee Contact Phone Number	Licensee Contact Email	Tester Contact Name	Tester Contact Phone Number	Tester Contact Email	Was 24hr Notification to the Appropriate Field Office provided for this Test?
									Is this Well

Sample of How to:

Annulus Test Section									
REMINDER: The upload process in IRIS triggers both Warning and Hard Stop error messages. Warning Messages do not prevent successful upload of data. Hard Stop Error Messages prevent successful upload of data.									
Instructions: Below is a guide on how to fill out the Bulk Annulus File. Max number of Annulus Test submission is 510 lines. Cannot use rows 516 and beyond.									
How to Fill Out Detailed Annulus Test Bulk Upload File									
	FIELD NAMES	How to Enter Data	Conditional Validation	Example Content Field	Required on each row?				
A4	Well Licence	Enter valid Licence #		1234567	Yes				
B4	Test Type	Enter either Annual or Retest		Annual or Retest	Yes				
C4	Date of Test	Enter valid Date	Cannot enter date prior to January 01, 2025.	2025-01-01	Yes				
D4	Licensee Contact Name	Enter valid Licensee Contact name		AnnulusTest Corp or Jane Smith	Yes				
E4	Licensee Contact Phone Number	Enter valid phone number		3061110000	Yes				
F4	Licensee Contact Email	Enter valid email address		anna@annulustest.ca	Yes				
G4	Tester Contact Name	Enter valid Tester Contact name		Test Annulus Ltd or Sam Smith	Yes				
H4	Tester Contact Phone Number	Enter valid phone number		3061110000	Yes				
I4	Tester Contact Email	Enter valid email address		test@annulustest.ca	No				
J4	Was 24hr Notification to the Appropriate Field Office provided for this Test?	Enter either Yes or No		Yes or No	Yes				
K4	Is this Well Equipped with Continuous Monitoring?	Enter either Yes or No	If Yes: answer Do you have Ministry Approval to perform Continuous Monitoring? field. If No: answer applicable Detailed Results Section fields. If Yes: answer Is a manual Annulus Test required at this	Yes or No	Yes				

- Click *Choose File* and navigate to completed Annulus Test Import File.
- Click *Import Annulus*.
- The Annulus Test Import file when uploading will display of list of warnings and hard stop – error messages contained within the file. The Annulus Test Import file will not upload if there are any validation error messages.

Questions ? ER Service Desk Phone : 1-855-219-9373 Email : ER.ServiceDesk@gov.sk.ca