



COGCC DATA DOWNLOAD INSTRUCTIONS

MECHANICAL INTEGRITY TEST DATA

Document Control:

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Background

Overview

The mechanical integrity test data within the “MechanicalTest” table are a compilation of data collected by COGCC. Data are from the COGCC Form 21 submitted by operators. The data are presented in a Microsoft Access format such that users can create their own filter and sorting tools to use the data.

Data were acquired through COGCC request, Policy, or Rules. Specific Policies and Rules are as follows:

- Mechanical Integrity Test Form 21..... 316B
- Testing procedure..... 326
- Required for Injection Wells..... 325.e., 319.b(3)
- Required for Shut-in and Temporarily Abandoned Wells..... 319.b, 326.b & c
- [Bradenhead Pressure Reporting-Garfield County \(Mamm Creek & Rulison Fields\) Mesa County \(Buzzard Field\) \(7/8/2010\)](#)
- [Policy for Special Bradenhead Testing Area in Weld County \(12/16/2009\)](#)

Data Considerations

The Mechanical Integrity Tests (MIT) contained in this data set is from 2003 to present. COGCC began entering the Form 21 into the database in 2003. It should be noted that the system could not accept failed MIT tests prior to March 2015. After March 2015, the data entry system was converted to eForm and upgraded to accept failed MIT test results. All MITs are tied to a well by the API number (e.g., 05-123-12345). The data fields are defined in the tables below.

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Database Table Field Descriptions

The below table will describe each field in the “MechanicalTest” table along with pertinent comments.

Field Name	Field Description	Comments
Document Number	Sequential number stamped on each form	
Receive Date	Date when form was received	
Operator Number	COGCC Operator Number.	
Operator	Name of Operator.	
Address	Operator’s Street address.	
City	Operator’s City address.	
State	Operator’s State address.	
Zip Code	Operator’s Zip.	
API State Code	State code for Colorado.	Will always be “05”.
API County Code	API code for county in which permit was granted.	
API Sequence Number	API unique sequence number.	
Well Name	Name of well	
Well Number	Number of well	
Qtr Qtr	Quarter Quarter in which alleged problem is located (described in a Jeffersonian format).	
Section	Section in which alleged problem is located (described in a Jeffersonian format).	
Township	Township in which alleged problem is located (described in a Jeffersonian format).	
Range	Range in which alleged problem is located (described in a Jeffersonian format).	
Meridian	Meridian in which alleged problem is located (described in a Jeffersonian format).	
Shut-In/Injection Well	Is the well an injection well or a producing well that was shut in.	
Last approved MIT	date of the last approved MIT.	
Test Type	1. A set of check boxes to explain the reason for the test. a. Test to maintain SI/TA status. b. Verification of repairs. c. 5-year UIC. d. Annual UIC test. e. Reset packer.	
Describe Repairs or Other Activities:	A comment box for any description of repairs or other relevant information.	
Injection/Producing Zones	The geologic formations perforated in the well.	
Perforation Interval	If any, a list of the of open perforation zones in depth.	
Open Hole Interval	If any, a list of the open hole sections in depth.	
Bridge/Cement Plug	If any, list depth of any bridge plug or cement	

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Depth	plugs.	
Test Date	The date the test was performed.	
Well Status During Test	The well's status at the time of the test.	Click "Status Codes" under the "Help" page for a full list of these codes with explanations.
Casing Before	The casing pressure before test began.	
Initial Tubing	The initial tubing pressure before test began.	
Final Tubing	The final tubing pressure when the test ended.	
Start Casing	The pressure at the start of the test.	
5 Min Casing	The pressure after 5 minutes test duration.	
10 Min Casing	The pressure after 10 minutes test duration.	
Final Casing	The pressure after 15 minutes test duration.	
Loss or Gain	The loss or gain during the test.	
Witness	Was the test witnessed by State Representative, Yes/No?	
Date Submitted	Date the test was submitted.	
Form Status	The test approval status.	
Status Date	The date of the test approval.	

Disclaimer:

All data and information contained in these downloads have been subject to a series of rigorous quality assurance procedures. However, the COGCC is not able to guarantee the accuracy, completeness or quality of all data and information provided herein. The information may require further research and associated information may need to be investigated.

Document Change Log

Change Date	Description of Changes
May 7, 2015	Document Created and Finalized