

COGCC DATA DOWNLOAD INSTRUCTIONS SPILLS DATA

Document Control:

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Background:

<u>Overview</u>

All COGCC data related to spills is in the below table within the Microsoft Access database:

1. DataDownload – Spills

<u>Data Considerations</u>

All spill data from April 2014 forward is included in this data download. In 2014, the COGCC changed the spill reporting form, Form 19, significantly thereby changing the process. Data prior to April 2014 are excluded from the data download due to this significant change in both process and data collected.

Operators are able to submit the following Form 19s:

- 1. Initial Form 19 Initial data is provided and details are not included.
- 2. Supplemental Form 19 A follow-up Form 19 to the initial Form 19 which provides additional detail.
- 3. Initial with Supplemental Form 19 A Form 19 that has both the initial information and the detail information in one Form 19.

Form 19s are currently submitted via eForms, COGCC's electronic platform for applications and form submissions. Once processed by COGCC, individual Form 19s are available for public view as Portable Document File (PDF).

Database Table Field Descriptions:

Spill/Release Report

The following data fields are common to all Form 19s. Except for the first three fields described, these data are found in the "Initial Spill/Release Report" section of the Form 19.

Field Name	Description
Document #	Sequential and unique number stamped on each form as it is received. This is the field that can be used to link spill data from other tables. On the Form 19 PDF Report (hereinafter, "Form 19"), this is the "Document Number" field on the top right of page 1.
Report	The type of report submit, Initial "I", Supplemental "S" or Initial with Supplemental "I w/S". This information is shown in the title of the Form 19.
Operator	Name of the Operator reporting the spill will be in this field.
Operator Number	Number associated with operator will be entered in this field.
Tracking #	The document assigned to the initial Form 19 report. This is the number that can tie initial and supplemental Form 19s for the same spill together. This is the "Initial Spill/Release Report Doc#" field on page 1 of the Form 19. Only on an initial Form 19, this number matches the Document Number.
Initial Report Date	The Date the initial Form 19, was submitted to the COGCC. On the Form 19, this is the "Initial Report Date" field on page 1.
Date of Discovery	This is the date on which the operator reportedly discovered the spill or release. On the Form 19, this is the "Date of Discovery" field on the top center of page 1.
Spill Type	The type of spill, Historical Release or Recent Spill; refer to COGCC 100- Series Rules for definitions of Spill vs. Release. This is the "Spill Type" field on page 1 of the Form 19.
Qtr Qtr	The quarter-quarter where the well or facility is located. This is the "QTRQTR" field on page 1 of the Form 19.
Section	The section where the well or facility is located. This is the "SEC" field on page 1 of the Form 19.
Township	The township where the well or facility is located. This is the "TWP" field on page 1 of the Form 19.
Range	The range where the well or facility is located. This is the "RNG" field on page 1 of the Form 19.
Meridian	The range where the well or facility is located. This is the "MERIDIAN" field on page 1 of the Form 19.
Latitude	The latitude of the location where the spill occurred. This is the "Latitude" field on page 1 of the Form 19.

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Longitude	The longitude of the location where the spill occurred. This is the "Longitude" field on page 1 of the Form 19.
Municipality	The city where the well or facility of the spill is located, if applicable. This is the "Municipality" field on page 1 of the Form 19.
County	The county where the well or facility of the spill is located. This is the "County" field on page 1 of the Form 19.
Facility Type	Description of facility type from which the spill or release originated. Operators select from the following choices in a dropdown menu in eForms: Centralized EP Waste Mgmt Fac, Flowline, Gas Gathering System, Partially-Buried Vessel, Pipeline, Pit, Tank Battery, Gas Gathering System/Line, Well, Well Pad, and Other. This is the "Facility Type" field on page 1 of the Form 19.
Facility ID	The COGCC assigned identification number for the facility where the spill occurred. This is the "facility/Location ID No" field on page 1 of the Form 19. This could be blank if COGCC had not previously assigned a Facility ID number to the facility or if the Form 19 referred to a well, in which case the API number is used.
API County Code	API code for the county of the well if the spill originated from a well. On the Form 19, it is the second set of numbers (after the 05) in the "Well API No" field. *Note, historically most spills were tied to an API number, whether or not they originated from the well itself. This convention persists in some instances even where a more appropriate Facility ID number exists.
API Sequence Number	API unique sequence number of the facility. On the Form 19, it is the last set of numbers in the "Well API No" field. Note: This could be blank if the Form 19 related to a facility ID instead of an API number. *Note, historically most spills were tied to an API number, whether or not they originated from the well itself. This convention persists in some instances even where a more appropriate Facility ID number exists.
Spilled outside of berms	The "Y" or "N" answer to the following question on page 1 of the Form 19: "Was one (1) barrel or more spilled outside of berms or secondary containment."
More than five barrels spilled	A "Y" in the field means more than 5 barrels were spilled. A "N" in the field means less than 5 barrels were spilled. This is the "Were Five (5) barrels or more spilled?" field on page 1 of the Form 19.
Oil Spill Volume	The estimated amount of oil spilled in barrels. This is the "Estimated Oil Spill Volume(bbl)" field on page 1 of the Form 19.
Condensate Spill Volume	The estimated amount of condensate spilled in barrels. This is the "Estimated Condensate Spill Volume(bbl)" field on page 1 of the Form 19.
Flow Back Spill Volume	The estimated amount of flow back or frac fluid spilled in barrels. This is the "Estimated Flow Back Fluid Spill Volume(bbl)" field on page 1 of the Form 19.
Produced Water Spill Volume	The estimated amount of produced water spilled in barrels. This is the "Estimated Produced Water Spill Volume(bbl)" field on page 1 of the Form 19.

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E&P Waste Spill Volume	The estimated amount of E&P waste, not otherwise specified, spilled in barrels. This is the "Estimated Other E&P Waste Spill Volume(bbl)" field on page 1 of the Form 19
Other Waste	This is used to specify and describe the waste where other E&P waste has been identified, above; it is also used to provide more clarity regarding other reported categories of spilled fluids. This is the "Specify" field in the "Fluid(s) Spilled/Released" section on page 1 of the Form.
Drilling Fluid Spill Volume	The estimated amount of drilling fluid spilled in barrels. This is the "Estimated Drilling Fluid Spill Volume(bbl)" field on page 1 of the Form 19.
Current Land Use	The land use for the area of land where the spill occurred. This is the "Current Land Use" field on page 1 of the Form 19.
Other Land Use	The use of the land if the "Current land Use" field was "Other". This is the "Other(Specify)" field to the right of "Current Land Use" on page 1 of the Form 19.
Weather Conditions	The weather at the time of the spill. This is the "Weather Condition" field on page 1 of the Form 19.
Surface Owner	Indicates whether the surface ownership is private (FEE), federal, state, or other. This is the "Surface Owner" field on page 1 of the Form 19.
Surface Owner Other	Allows additional information to be entered regarding owner of the land. This is the "Other (Specify)" field on page 1 of the Form 19.
Waters of the State	If the "Waters of the State" check box on the bottom of Page 1 on the Form 19 is checked, this field will be a "1". If it is not checked, this field will be a "0".
Residence / Occupied Structure	If the "Residence/Occupied Structure" check box on the bottom of Page 1 on the Form 19 is checked, this field will be a "1". If it is not checked, this field will be a "0".
Livestock	If the "Livestock" check box on the bottom of Page 1 on the Form 19 is checked, this field will be a "1". If it is not checked, this field will be a "0".
Public Byway	If the "Public Byway" check box on the bottom of Page 1 on the Form 19 is checked, this field will be a "1". If it is not checked, this field will be a "0".
Surface Water Supply Area	If the "Surface Water Supply Area" check box on the bottom of Page 1 on the Form 19 is checked, this field will be a "1". If it is not checked, this field will be a "0".
Spill Description	A text box that allows the operator to describe details of the spill. This is the large text box on page 2 of the Form 19.

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Spill/Release Detail

The following fields are included in the "Spill/Release Detail Reports" section of the Form 19. These fields only contain data for "Initial w/Supplemental" or "Supplemental" Form 19 reports. "Initial" only Form 19s do not include these fields.

Field Name	Description
Supplemental Report Date	The date the supplemental spill report, Form 19, was submitted to the COGCC by the operator. On the Form 19 report, this is the "Supplemental Report Date" field on the top center of page 2.
Oil BBLs Spilled	The volume of oil in barrels spilled. This is the "Oil – BBL's Spilled" field on page 2 or 3 of the supplemental or initial w/supplemental Form 19. If blank, that means the amount is unknown and the "Unknown" checkbox is checked on the Form 19.
Oil BBLs Recovered	The volume of oil in barrels that was recovered. This is the "Oil – BBL's Recovered" field on page 2 or 3 of the supplemental or initial w/supplemental Form 19.
Oil Unknown	If the amount of oil spilled is unknown, this will be a "-1". If it is known, this will be a "0" and the actual amount spilled will be listed in the two fields explained above.
Condensate BBLs Spilled	The volume of condensate in barrels spilled. This is the "Condensate – BBL's Spilled" field on page 2 or 3 of the supplemental or initial w/supplemental Form 19. If blank, that means the amount is unknown and the "Unknown" checkbox is checked on the Form 19.
Condensate BBLs Recovered	The volume of condensate in barrels that was recovered. This is the "Condensate – BBL's Recovered" field on page 2 or 3 of the supplemental or initial w/supplemental Form 19.
Condensate Unknown	If the amount of condensate spilled is unknown, this will be a "-1". If it is known, this will be a "0" and the actual amount spilled will be listed in the two fields explained above.
Produced Water BBLs Spilled	The volume of produced water in barrels spilled. This is the "Produced Water – BBL's Spilled" field on page 2 or 3 of the supplemental or initial w/supplemental Form 19. If blank, that means the amount is unknown and the "Unknown" checkbox is checked on the Form 19.
Produced Water BBLs Recovered	The volume of produced water in barrels that was recovered. This is the "Produced Water – BBL's Recovered" field on page 2 or 3 of the supplemental or initial w/supplemental Form 19.
Produced Water Unknown	If the amount of produced water spilled is unknown, this will be a "-1". If it is known, this will be a "0" and the actual amount spilled will be listed in the two fields explained above.
Drilling Fluid BBLs Spilled	The volume of drilling fluids in barrels spilled. This is the "Drilling Fluids – BBL's Spilled" field on page 2 or 3 of the supplemental or initial w/supplemental Form 19. If blank, that means the amount is unknown and the "Unknown" checkbox is checked on the Form 19.

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Drilling Fluid BBLs Recovered	The volume of drilling fluids in barrels that was recovered. This is the "Drilling Fluid – BBL's Recovered" field on page 2 or 3 of the supplemental or initial w/supplemental Form 19.
Drilling Fluid Unknown	If the amount of drilling fluids spilled is unknown, this will be a "-1". If it is known, this will be a "0" and the actual amount spilled will be listed in the two fields explained above.
Flow Back Fluid BBLs Spilled	The volume of flow back of frac fluids in barrels spilled. This is the "Flow Back Fluid – BBL's Spilled" field on page 2 or 3 of the supplemental or initial w/supplemental Form 19. If blank, that means the amount is unknown and the "Unknown" checkbox is checked on the Form 19.
Flow Back Fluid BBLs Recovered	The volume of flow back or frac fluids in barrels that was recovered. This is the "Flow Back Fluid – BBL's Recovered" field on page 2 or 3 of the supplemental or initial w/supplemental Form 19.
Flow Back Fluid Unknown	If the amount of flow back fluids is unknown, this will be a "-1". If it is known, this will be a "0" and the actual amount spilled will be listed in the two fields explained above.
Other E&P Waste BBLS Spilled	The volume of other E&P waste in barrels spilled. This is the "Other E&P Waste – BBL's Spilled" field on page 2 or 3 of the supplemental or initial w/supplemental Form 19. If blank, that means the amount is unknown and the "Unknown" checkbox is checked on the Form 19.
Other E&P Waste BBLS Recovered	The volume of other E&P waste in barrels that were recovered. This is the "Other E&P Waste – BBL's Recovered" field on page 2 or 3 of the supplemental or initial w/supplemental Form 19.
Other E&P Waste Unknown	If the amount of other E&P waste spilled is unknown, this will be a "-1". If it is known, this will be a "0" and the actual amount spilled will be listed in the two fields explained above.
Other E&P Waste	If there is other E&P waste it will be described in detail in this field. This is the "Specify" field on page 2 or 3 of the supplemental or initial w/supplemental Form 19.
Spill Contained within Berm	A "1" in the field means the spill was contained within berms or secondary containment. A "0" in the field the means spill was not contained within berms or secondary containment. This is the "Was spill/release completely contained within berms or secondary containment" field on page 2 of the supplemental or initial w/supplemental Form 19.
Emergency Pit Constructed	A "1" in the field means an emergency pit was constructed. A "0" in the field means an emergency pit was not constructed. This is the "Was an Emergency Pit constructed" field on page 2 of the supplemental or initial w/supplemental Form 19.
Soil	A "-1" in the field means that soil was impacted and the "Soil" field on page 2 of the supplemental or initial w/supplemental Form 19 was checked. A "0" means the field was not checked.
Groundwater	A "-1" in the field means that groundwater was impacted and the "Groundwater" field on page 2 of the supplemental or initial w/supplemental Form 19 was checked. A "0" means the field was not checked

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Surface Water	A "-1" in the field means that surface water was impacted and the "Surface Water" field on page 2 of the supplemental or initial w/supplemental Form 19 was checked. A "0" means the field was not checked
Dry Drainage Feature	A "-1" in the field means that a dry drainage feature was impacted and the "Dry Drainage Feature" field on page 2 of the supplemental or initial w/supplemental Form 19 was checked. A "0" means the field was not checked.
Surface Area Length	The length in feet of the surface area impacted by the spill. This is the "Length of Impact (feet)" field on page 2 of the supplemental or initial w/supplemental Form 19.
Surface Area Width	The width in feet of the surface area impacted by the spill. This is the "Width of Impact (feet)" field on page 2 of the supplemental or initial w/supplemental Form 19.
Depth of Impact in Feet	The depth of the impact. This is the "Depth of Impact (feet BGS)" field on page 2 of the supplemental or initial w/supplemental Form 19.
Depth of Impact in Inches	The depth of the impact, if less than one foot. This is the "Depth of Impact (inches BGS)" field on page 2 of the supplemental or initial w/supplemental Form 19.
Area Depth Determined	The text box that allows operators to explain how the extent of the spill was determined. This is the "How was extent determined?" text box field on page 2 of the supplemental or initial w/supplemental Form 19.
Geology Description	The soil and geology description. This is the "Soil/Geology Description" text box field on page 2 of the supplemental or initial w/supplemental Form 19.
Depth to Groundwater	The depth of the groundwater in the area of the spill. This is the "Depth to Groundwater (feet BGS)" field on page 2 of the supplemental or initial w/supplemental Form 19.
Water wells in area	The number of water wells within a ½ mile radius of the spill. This is the "Number water Wells within ½ mile radius" field on page 2 of the supplemental or initial w/supplemental Form 19.
Water Wells	If a water well is less than 1 mile from the spill location, the distance in feet will be entered here. If the nearest water well is greater than 1 mile, this will be blank. This is the "Water Well" field on page 2 of the supplemental or initial w/supplemental Form 19.
Water Wells None	If there are no water wells within 1 mile of the spill, this will be a "-1". If there are, then this will be a "0" and the distance in feet will be entered in the field explained above.
Surface Water Near	If surface water is less than 1 mile from the spill location, the distance in feet will be entered here. If the nearest surface water is greater than 1 mile, this will be blank. This is the "Surface Water" field on page 2 of the supplemental or initial w/supplemental Form 19.
Surface Water None	If there are no surface waters within 1 mile of the spill, this will be a "- 1". If there are, then this will be a "0" and the distance in feet will be entered in the field explained above.

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Wetlands	If there are wetlands less than 1 mile from the spill location, the distance in feet will be entered here. If the nearest wetlands are greater than 1 mile, this will be blank. This is the "Wetlands" field on page 2 of the supplemental or initial w/supplemental Form 19.
Wetlands None	If there are no wetlands within 1 mile of the spill, this will be a "-1". If there are, then this will be a "0" and the distance in feet will be entered in the field explained above
Springs	If there are springs less than 1 mile from the spill location, the distance in feet will be entered here. If the nearest wetlands are greater than 1 mile, this will be blank. This is the "Springs" field on page 2 of the supplemental or initial w/supplemental Form 19.
Springs None	If there are no springs within 1 mile of the spill, this will be a "-1". If there are, then this will be a "0" and the distance in feet will be entered in the field explained above.
Livestock Near	If livestock are present less than 1 mile from the spill location, the distance in feet will be entered here. If the nearest livestock is greater than 1 mile, this will be blank. This is the "Livestock" field on page 2 of the supplemental or initial w/supplemental Form 19
Livestock None	If there is no livestock within 1 mile of the spill, this will be a "-1". If there are, then this will be a "0" and the distance in feet will be entered in the field explained above.
Occupied Buildings	If an occupied building is less than 1 mile from the spill location, the distance in feet will be entered here. If the nearest occupied building is greater than 1 mile, this will be blank. This is the "Occupied Building" field on page 2 of the supplemental or initial w/supplemental Form 19.
Occupied Buildings None	If there are no occupied buildings within 1 mile of the spill, this will be a "-1". If there are, then this will be a "0" and the distance in feet will be entered in the field explained above.
Additional Spill Details	This is a text box allowing operators to provide additional details about the spill. This is the "Additional Spill Details Not Provided Above" text box field on page 2 or 3 of the supplemental or initial w/supplemental Form 19.

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Corrective Action

The following fields are included in the "Corrective Action" section of the Form 19. These fields only contain data for some "Initial w/Supplemental" or "Supplemental" Form 19 reports, and not all such reports include these fields. "Initial" only Form 19s do not include these fields.

Field Name	Description
Supplemental Report Date CA	The date the supplemental spill report describing the corrective actions, Form 19, was submitted to the COGCC by the operator. On the Form 19 report, this is the "Supplemental Report Date" field under the CORRECTIVE ACTIONS header.
Human Error	If the operator has identified the cause of the spill as human error, then this field will show "-1"; if not, then a "0" will show. This is the "Human Error" field check box on the Corrective Action section of the Form 19.
Equipment Failure	If the operator has identified the cause of the spill as equipment failure, then this field will show "-1"; if not, then a "0" will show. This is the "Equipment Failure" field check box on the Corrective Action section of the Form 19.
Historical Unknown	If the operator has identified the cause of the spill as either historical spill or unknown, then this field will show "-1"; if not, then a "0" will show. This is the "Historical-Unknown" field check box on the Corrective Action section of the Form 19.
Other	If the cause of the spill was identified as something other than the above choices, this field will show "-1", otherwise a "0" will show. This is the "Other (specify)" check box to the right of "Cause of Spill" on the Corrective Action section of the Form 19.
Other Description	If the Other (Specify) field is checked as described above, then this field is used to provide additional clarification. This is the text field next to "Other (specify)" on the Corrective Action section of the Form 19.
Root Cause	This is the text box for the operator to describe the root cause of the spill. This is the "Describe Incident & Root Cause (include specific equipment and point of failure" field on the Corrective Action section of the Form 19.
Preventative Measures	This is the text box for the operator to describe what measures were or will be taken to prevent the problem from reoccurring. This is the "Describe measures taken to prevent the problem(s) from reoccurring" field on the Corrective Action section of the Form 19.
Soil Excavated	The volume of soil excavated in cubic yards. This is the "Volume of Soil Excavated (cubic yards)" field on the Corrective Action section of the Form 19.
Offsite Disposal	If the excavated soil was disposed of offsite, then this field will show "-1". If it was not, then a "0" will show. This is the "Offsite Disposal" field check box on the Corrective Action section of the Form 19.
Onsite Treatment	If the excavated soil was treated onsite, then this field will show "-1". If it was not, then a "0" will show. This is the "Onsite Treatment" field check box on the Corrective Action section of the Form 19.

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Other Disposition	If the excavated soil was treated or disposed of a different way than the above two options, then this field will show "-1". If it was not, then a "0" will show. This is the "Other (specify)" field check box to the right of "Disposition of Excavated Soil (attach documentation)" on the Corrective Action section of the Form 19.
Other Disposition Description	If the "Other Disposition" field above is checked, this allows the operator to enter additional comments.
Ground Water Removed	The volume of impacted ground water removed as a result of this spill measured in barrels. This is the "Volume of Impacted Ground Water removed (bbls)" field check box on the Corrective Action section of the Form 19.
Surface Water Removed	The volume of impacted surface water removed as a result of this spill measured in barrels. This is the "Volume of Impacted Surface Water removed (bbls)" field check box on the Corrective Action section of the Form 19.

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Request for Closure

The following fields are included in the "Request for Closure" section of the Form 19.

Field Name	Description
Corrective Actions Complete	If the operator has completed sufficient corrective action to remediate the spill, this field will show a "-1". If not, it will show a "0". This is the "Corrective Actions Completed (documentation attached)" checkbox in the Request for Closure section of the Form 19.
Approved Form 27	If work to remediate the spill is proceeding or will proceed under an approved form 27 this field will show a "-1". If not, it will show a "0". This is the "Work proceeding under an approved Form 27" check box in the Request for Closure section of the Form 19.
Form 27 Project Number	If work is proceeding under an approved Form 27, the Remediation Project Number will be displayed in this field. This is the "Form 27 remediation Project No" field in the Request for Closure section of the Form 19.

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
December 16, 2015	Document Updated and Finalized

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