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5/13/2019	Document created and finalized			
1/13/2021	/13/2021 Updated for Mission Change Rules.			
7/8/2022	/8/2022 Updated for Financial Assurance Rules.			
/16/2022 Minor clarifications regarding Financial Assurance Fields.				

Form 2 Checklist

OVERVIEW

To assist operators in submitting complete and accurate Form 2 permit applications, COGCC staff has created the "Form 2 Checklist". The Checklist is meant to act as a comprehensive "reference manual" for filling out and submitting Form 2s. This document is intended to be used by any regulatory, technical, permitting, consulting, or other staff who submit Form 2s.

We encourage regulatory/permitting staff to share the Checklist, or relevant portions of it, with all the technical staff (land, engineering, geology, etc.) who provide data for the Form 2. It is our hope that regulatory and technical staff both will find this Checklist helpful in understanding the "meaning behind the data fields", such that future forms submitted will be complete and accurate, requiring no clarifying communication between operators and COGCC staff. This will result in quicker processing by COGCC staff.

The Checklist is organized to match the Form 2 itself. Each "tab" of the Form 2 is detailed on a separate "tab" of this spreadsheet for easy reference. Within each tab, every data field, checkbox, dropdown, text box, or prompt is assigned a "reference number". These reference numbers ("Ref #") are listed in the same order as found on the Form 2. The companion document "Form 2 Checklist Reference Numbers" shows reference numbers on a screen shot of each tab.

Each Checklist tab has four columns: Ref #, Form 2 Field, "What is this", and "How do you get it right":

- Ref # -- a Reference Number (RefNos) for each data field on the Form 2 that corresponds to the labels on the slide for each eForm tab in the "Form 2 Checklist RefNos" document
- Form 2 Field -- a unique data field, dropdown, checkbox, title, question, or other prompt on the Form 2
- What is this? -- a description of the field and/or the type of data expected for the field
- How do you get it right? -- the requirements for a complete and accurate entry plus tips, additional information, specific-case information, geographical considerations, or other clarification that will help you enter the correct information on the Form 2.

T: C					
	Tips for "How do you get it right?"				
	Before you hit "submit":				
1	Comply with Rule 308.b.				
2	Correctly apply all Form 2 information available on COGCC website: • Form 2 Instructions • Form 2 Attachment Instructions • Form 2 Template Instructions • Operator Guidance Documents • Policies • Notices to Operators				
3	If you do not know what something is - ask someone: • Your internal technical staff • Your client • COGCC Staff				
4	Check for unusual values - a value you have never seen before: • Double check that you entered the value that was provided by your internal technical staff/your client. • Ask your internal technical staff/your client a question if something seems unusual, such as "Can we really drill a well with a total depth of 50,000?" "Can we have a unit with 90,000 acres?" "Can we have a unit with only 1 acre?" "Can the casing be set deeper than the total depth of the well?"				
5	Look at or draw a map to see if it all makes sense.				
6	Proof read for typos.				
7	If you do not undertsand something - ask someone: • Your internal technical staff • Your client • COGCC Staff				

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Abbreviations in Alphabetical Order	Explanations of Abbreviations on Form 2 and in Checklist		
BHL	Bottom Hole Location		
BLM	Bureau of Land Management		
ВМР	Best Management Practice		
BPZ	Base of Productive Zone		
CAP	Comprehensive Area Plan (as provided for by Rule 314)		
Dir	Direction (used to indicate which section line a distance is measured from)		
DSU	Drilling and Spacing Unit		
FEL	From East Line of the Section		
FNL	From North Line of the Section		
FSL	From South Line of the Section		
FWL	From West Line of the Section		
GOR	Gas/Oil Ratio		
HZ	Horizontal		
OGDP	Oil and Gas Development Plan (see Rule 303)		
Prod.	Productive		
QtrQtr	Quarter Quarter of a Section (from governmental survey)		
Rng	Range (from governmental survey)		
Sec	Section (from governmental survey)		
SHL	Surface Hole Location		
SLB	State Land Board		
SUA	Surface Use Agreement		
TPZ	Top of Production Zone		
TVD	True Vertical Depth		
Twp	Township (from governmental survey)		

Where do I find?			
Designated Common Source Formations	Common Source of Supply Designations are posted on the website. http://cogcc.state.co.us/reg.html#/policies		
Directional Data Template	The template spreadsheet (with instruction) to upload directional data is on the Form 2 instructions page. http://cogcc.state.co.us/reg.html#/forms/form2_new		
Mission Change Guidance Documents	http://cogcc/sb19181.html#/guidance		
Form 2 Attachment Instructions	Instructions for the Form 2 attachments are posted on the Form 2 instructions page. http://cogcc.state.co.us/reg.html#/forms/form2_new		
Operator Guidance Documents	Guidance documents are posted on the website. http://cogcc.state.co.us/reg.html#/opguidance		
Horizontal Offset Well Evaluation Template	The template spreadsheet (with instruction) to upload offset well evaluation data is on the Form 2 instructions page. http://cogcc.state.co.us/reg.html#/forms/form2_new		
Lease line Setbacks	Rule 401. http://cogcc.state.co.us/reg.html#/rules		
Online Map	http://cogcc.state.co.us/maps.html#/gisonline		
Policies and Notices to Operators	Policies and Notices to Operators are posted on the website. http://cogcc.state.co.us/reg.html#/policies		
Rules	http://cogcc.state.co.us/reg.html#/rules		
Spacing Order Numbers	Spacing orders for recently approved applications are posted on the docket for each hearing. http://cogcc.state.co.us/reg.html#/hearings		
Spacing Orders	Approved spacing orders are posted on the website. http://cogcc.state.co.us/reg2.html#/orders		
Surety Bond ID Number and Status	Surety (Bond) ID Numbers are in the operator files on the website under "Name, Address and Financial Assurance Tracking" at http://cogcc.state.co.us/data.html#/cogis		

Form 2	Form 2 Checklist Version: 8/16/2022				
	Well Name & Contact Info Tab				
Ref #	Form 2 Field	What is this?	How do you get it right?		
1	Application for Permit to:	Drop-down menu to select what the well permit will be for: • DEEPEN • DRILL • RECOMPLETE • REENTER	Select "DEEPEN" to increase the total depth of an existing wellbore. Select "DRILL" to drill a new wellbore. Select "RECOMPLETE" to complete a new formation in an existing wellbore. (Refer to the 4 Recompletions documents in Form 2 instructions.). Select "REENTER" to open a plugged well. The default is blank - a selection is required.		
2	Amend	Yes/No drop-down menu to indicate if the permit is an amendment that substantively changes a previously approved permit that is <u>not</u> expiring or expired.	1 - Select "Yes" if this Form 2 is to change a previously approved Form 2 that has not expired and will be drilled prior to expiration. 2 - Select "No" if not. 3 - If the this is an amendment, the API number must be entered on the Submit tab (Submit tab Ref# 6, 7, & 8). 4 - Amendments do not change the expiration date of the permit, per Rule 311. 5 - Changes from the previously approved permit must be summarized in the Submit tab comments (Submit tab Ref #1).		
3	Refile	Yes/No drop-down menu to indicate if the permit is a refile for an expired or expiring permit.	1 - Select "YES" if the permit has expired <u>or</u> is within 60 days of expiration. 2 - Select "NO" if not. 3 - If the permit is a refile, the API number must be entered on the Submit tab (Submit tab Ref# 6, 7, & 8). 4 - Substantive changes are allowed on refile permits; changes must be indicated in the Submit tab comments (Submit tab Ref# 1). 5 - A refile Form 2 cannot be submitted unless there is a valid Form 2A and OGDP.		
4	SideTrack	Yes/No drop-down menu to indicate if the permit is for a sidetrack wellbore that branches from another wellbore.	1 - Select "YES" if the permit is for a sidetrack. 2 - Select "NO" if not. 3 - NOTE: <u>Every wellbore</u> needs its own Form 2. 4 - If permit is for a sidetrack of an approved or existing well, the API number must be entered on the Submit tab (Submit tab Ref# 6, 7, & 8). 5 - The default is blank - "YES" or "NO" must be selected.		
5	Type of Well	Drop-down menu to select type of well: N/A Oil Gas Coal Bed	Select expected type of well: 1 - The default is N/A for any "Other" well type. (See Ref #6 below). 2 - Oil Well has a Gas/Oil Ratio (GOR) ≤15,000. 3 - Gas Well has a Gas/Oil Ratio (GOR) >15,000. 4 - Coal Bed well produces gas from a coal formation.		
6	Other	A Well Type not listed in "Type of Well" drop-down menu (Ref# 5) or the type selected requires further clarification.	1 - Enter the "Other" type of well not listed in the drop-down menu (N/A selected in Ref #5 above), such as: Injection, Disposal, Gas Storage, Stratigraphic Test, etc. OR 2 - Clarify the Type of Well selected in the drop-down menu (Ref #5 above), such as: Unplanned Sidetrack, Sidetrack Number "X", etc.		
7	Zone Type	Drop-down menu to indicate a planned initial completion of a single formation or multiple formations.	1 - Select Single Zone for a well planned with only one initial completed formation. The form may have a single or multiple objective formation(s). 2 - Select Multiple Zone for a well planned with more than one initial completed formation. The form must have multiple objective formations. 3 - The default is N/A - a selection is required. 4 - NOTE: A horizontal well may have multiple zones only if it is clearly designed for multiple objective formations, as in toe-up or toe-down.		

Form 2	Form 2 Checklist Version: 8/16/2022			
	Well Name & Contact Info Tab			
Ref #	Form 2 Field	What is this?	How do you get it right?	
8	COMMINGLE ZONES	Yes/No drop-down menu to indicate if multiple zones will be commingled.	1 - If Single Zone, select "NO". 2 - If Multiple Zone, and production will be commingled, select "YES". 3 - If Multiple Zones, and production will NOT be commingled, select "NO". 4 - The default is blank - "YES" or "NO" must be selected.	
9	Well Name	Name of proposed well.	Same as well name on <u>every</u> attachment.	
10	Well Number	Number of proposed well.	Same as well number on <u>every</u> attachment.	
11	Contact Name (First Name)			
12	Contact Name (Last Name)	The name and contact information for	1 - Provide all contact information for an employee of the Operator who is available and able to answer	
13	Phone	an employee of the Operator who is available and able to answer technical	technical questions related to the form. 2 - This person does not have to be a designated agent. 3 - The fax number is optional. 4 - All the information needs to be accurate and current.	
14	Fax	questions related to the form.		
15	Email			
16	Mailing Info:	Section Label		
17	Operator Num	COGCC Operator Number assigned to the operator upon registration (Form 1) with the COGCC.	1 - This information is from the operator's	
18	Suff	Drop-down menu with any Suffixes to the Operator Number associated with a regional mailing address.	registration (Form 1) stored in the COGCC database; it is auto-populated from the operator number entered to log into the eForm system.	
19	Address		2 - This information is read-only and cannot be edited.	
20	City	Corporate mailing address from the	3 - Select Suff (suffix) to change from the corporate mailing address to a regional mailing address.	
21	State	operator's registration (Form 1).	making address to a regional making address.	
22	Zip			
23	The Operator has provided or will provide Financial Assurance to the COGCC for this Well	Check box to indicate if Financial Assurance has been provided to COGCC.	1 - If this checkbox has been selected, the checkbox for line 25 may not be selected.	
24	Surety ID Number (if applicable)	Financial Assurance required by Rule 702.	Verify number on COGCC website. Bond must be active (not released).	
25	In checking this box, the Operator certified that it has provided or will provide at least this amount of Financial Assurance to the federal government for this Well.	Check box to indicate if financial assurance for this well has been provided to the federal government.	1 - See Rule 702.a. 2 - If this checkbox has been selected, the checkbox in line 23 may not be selected.	
26	Amount of Federal Financial Assurance	Amount, in dollars, of Financial Assurance provided to the federal government.	 1 - Enter amount. 2 - Whole numbers only; no special characters may be entered. 3 - Required if the Federal financial assurance box has been checked. 	

Form 2	Checklist Version: 8/16/2022			
	Well Location Tab			
Ref #	Form 2 Field	What is this?	How do you get it right?	
<u>ALL</u> WI	ELL LOCATION DATA ON THIS TAB	TIPS to get it right:	1 - Verify all information is identical to well location plat. 2 - Check for typos, on the form and on the well location plat. 3 - Each piece of data must be accurate and all together must make logical sense. 4 - Refer to COGCC online map to verify information. 5 - Look at, or draw, a map to picture what the data is describing. 6 - Some sections are irregular in shape; measurement must be from nearest section line regardless which quarter section the location is in.	
1	Surface Location	This section contains location information (SHL) of the well.	on related to the proposed Surface Hole Location	
2	QtrQtr/Lot	Quarter-Quarter or Lot or Tract of the proposed surface hole location (SHL).	1 - Lot or tract designation should only be used when the size of the lot/tract approximates 40 acres. 2 - If lot or tract is significantly greater than 40 acres, use an approximate QtrQtr, even if lot or tract is on well location plat. 3 - Spell out "Lot" and provide number: Lot 1 4 - Abbreviate "Tract" and provide number: TR 1	
3	Sec	Section of the proposed SHL.	Enter section number. Do not enter leading zeros.	
4	Twp	Township of the proposed SHL.	Enter township number followed by N (for North) or S (for South) no space. Do not enter leading zeros.	
5	Rng	Range of the proposed SHL.	1 - Enter range number followed by E (for East) orW (for West) no space.2 - Do not enter leading zeros.	
6	Meridian	Principal Meridian Code for the proposed SHL.	Enter "6" for 6th; "C" for Costilla Survey; "M" for Southern 34N Townships; "N" for New Mexico; "U" for Ute.	
7	Footage At Surface	This section contains the footages (dista describe the proposed Surface Hole Local Control of the Control of th	nces) and directions from section lines that ation (SHL) of the well.	
8	feet	Distance (in feet) of the proposed SHL from nearest section line in north or south direction.	Enter number of feet, no decimals.	
9	Dir: (FNL/FSL)	Drop-down menu to identify which section line the distance is measured from: FNL is from the north line; FSL is from the south line.	1 - Select FNL or FSL. 2 - Default is N/A - a selection is required.	
10	feet	Distance (in feet) of the proposed SHL from nearest section line in east or west direction.	Enter number of feet, no decimals.	
11	Dir: (FEL/FWL)	Drop-down menu to identify which section line the distance is measured from: FEL is from the east line; FWL is from the west line.	1 - Select FEL or FWL. 2 - Default is N/A - a selection is required.	
12	Latitude	Latitude of the proposed SHL.	Enter latitude in decimal degrees to 5 decimal places. Which is a second of the Well Location Plat.	
13	Longitude	Longitude of the proposed SHL.	1 - Enter longitude in decimal degrees to 5 decimal places. 2 - Must match the longitude value on the Well Location Plat. 3 - All longitudes in Colorado are negative; if no minus sign is entered the eForm system will insert one to convert it to negative.	

Form 2 Checklist Version: 8/16/2022				
Well Location Tab				
Ref #	Form 2 Field	What is this?	How do you get it right?	
14	GPS Quality Value	Quality Value for the GPS measurement. For PDOP the value must be 6.0 for less, and for Accuracy in Meters the value must be 1.0 or less.	If the GPS Quality Value is on the Well Location Plat, the values on the plat and entered here must be the same.	
15	Type of GPS Quality Value	A drop-down menu menu to indicate if the type of quality value used in the GPS measurement is PDOP or Accuracy in Meters.	If the Type of GPS Quality Value is on the Well Location Plat, the types on the plat and entered here must be the same.	
16	Date of Measurement	Date of the GPS measurement for the surface hole location of the well.	The the date of the GPS measurement is on the Well Location Plat, the date on the plat and entered here must match.	
17	Ground Elevation	Elevation of ground at proposed SHL.	1 - Enter elevation as a whole number, no decimals.2 - Must match the well location plat.	
18	Field Name	Name of the oil and gas field in which the the proposed well will be completed.		
19	Field Number	Code number the COGCC has assigned to the oil and gas field.	Click the list button on right side to display field name/number list. For a Horizontal Well Select "WILDCAT" for the field name. For a Vertical or Directional Well within GWA Select "WATTENBERG" for the field name. For a Vertical or Directional Well outside GWA 1 - Select the COGCC GIS map layer "Oil & Gas Fields". 2 - Select the "Fields" sub-layer; do not use the "Horizontal Fields" or "Wattenberg Field" sub-layers. 3 - If the proposed well lies within an existing field, or within one mile of an existing field, select that field name on the Form 2. 4 - If the proposed well is not within one mile of any existing field, select "WILDCAT" on the Form 2.	
20	Well plan is:	Drop-down menu to indicate if wellbore is: • VERTICAL • DIRECTIONAL • HORIZONTAL	1 - Select VERTICAL for vertical wellbores. 2 - Select DIRECTIONAL for deviated wellbores that are sub-horizontal, e.g. s-turn, build-and-hold, etc. 3 - Select HORIZONTAL for wellbores that are drilled generally horizontal (-90° inclination). 4 - Default is N/A - a selection is required.	
21	If Well plan is Directional or Horizontal attach Deviated Drilling Plan and Directional Data.	Instruction/reminder to attach a deviated drilling plan for a directional or horizontal wellbore.	2 - See Rule 410.a.	
22	Subsurface Locations	This section contains location information related to Top of Productive Zone (TPZ), Base of Productive Zone (BPZ), and Bottom Hole Location (BHL) of the Well. 1 - All fields are required for a "DIRECTIONAL" or "HORIZONTAL" well. 2 - Fields are not applicable to a "VERTICAL" well and cannot be filled out if Well plan is "VERTICAL" in Ref# 20 above. 3 - Pay special attention to wellbores that cross sec/twp/rng lines. 4 - Should approximate (within a few feet) the TPZ/BPZ/BHL calculated using the SHL footages, the well location plat, and the deviated drilling plan.		
23	Top of Productive Zone (TPZ)	This section contains information related to the location, measured depth, and true vertical depth of the Top of Productive Zone (TPZ) of the well.		
24	Sec	Section of the proposed TPZ.	1 - Enter section number. 2 - Do not enter leading zeros.	

		Well Location Tab	
Ref #	Form 2 Field	What is this?	How do you get it right?
25	Тwp	Township of the proposed TPZ.	1 - Enter township number followed by N (for North) or S (for South) no space. 2 - Do not enter leading zeros.
26	Rng	Range of the proposed TPZ.	1 - Enter range number followed by E (for East) of W (for West) no space.2 - Do not enter leading zeros.
27	Footage At TPZ	This section contains the footages (dista describe the proposed Top of Productive	inces) and directions from section lines that
28	Feet	Distance (in feet) of the proposed TPZ from nearest section line in north or south direction.	Enter number of feet, no decimals.
29	Dir: (FNL/FSL)	Drop-down menu to identify which section line the distance is measured from: FNL is from the north line; FSL is from the south line.	1 - Select FNL or FSL. 2 - Default is N/A - a selection is required.
30	Feet	Distance (in feet) of the proposed TPZ from nearest section line in east or west direction.	Enter number of feet, no decimals.
31	Dir: (FEL/FWL)	Drop-down menu to identify which section line the distance is measured from: FEL is from the east line; FWL is from the west line.	1 - Select FEL or FWL. 2 - Default is N/A - a selection is required.
32	Measured Depth of TPZ	The planned measured depth of the TPZ.	Enter number of feet, no decimals. Which is a stacked Deviated Drilling Plan/Directional Data
33	True Vertical Depth of TPZ	The planned true vertical depth of the TPZ.	Enter number of feet, no decimals. Which is a stacked Deviated Drilling Plan/Directional Data
34	Base of Productive Zone (BPZ)	This section contains information relate vertical depth of the Base of Productive	d to the location, measured depth, and true
35	Sec	Section of the proposed BPZ.	1 - Enter section number. 2 - Do not enter leading zeros.
36	Тwp	Township of the proposed BPZ.	1 - Enter township number followed by N (for North) or S (for South) no space. 2 - Do not enter leading zeros.
37	Rng	Range of the proposed BPZ.	1 - Enter range number followed by E (for East) (W (for West) no space. 2 - Do not enter leading zeros.
38	Footage at BPZ	This section contains the footages (dista describe the proposed Base of Productive	nces) and directions from section lines that
39	Feet	Distance (in feet) of the proposed BPZ from nearest section line in north or south direction.	Enter number of feet, no decimals.
40	Dir: (FNL/FSL)	Drop-down menu to identify which section line the distance is measured from: FNL is from the north line; FSL is from the south line.	1 - Select FNL or FSL. 2 - Default is N/A - a selection is required.
41	Feet	Distance (in feet) of the proposed BPZ from nearest section line in east or west direction.	Enter number of feet, no decimals.
42	Dir: (FEL/FWL)	Drop-down menu to identify which section line the distance is measured from: FEL is from the east line; FWL is from the west line.	1 - Select FEL or FWL. 2 - Default is N/A - a selection is required.
43	Measured Depth of BPZ	The planned measured depth of the BPZ.	Enter number of feet, no decimals. Wust match the attached Deviated Drilling Plan/Directional Data
44	True Vertical Depth of BPZ	The planned true vertical depth of the BPZ.	Enter number of feet, no decimals. Which is a stacked Deviated Drilling Plan/Directional Data
45	Bottom Hole Location (BHL)	This section contains information related to the location of the Bottom Hole Location (BHL) of the well. Measured and true vertical depth information for the BHL will be entered on the "Drilling Plan" tab.	
46	Sec	Section of the proposed BHL.	1 - Enter section number. 2 - Do not enter leading zeros.
47	Тwp	Township of the proposed BHL.	1 - Enter township number followed by N (for North) or S (for South) no space. 2 - Do not enter leading zeros.

Form 2	Form 2 Checklist Version: 8/16/2022				
	Well Location Tab				
Ref #	Form 2 Field	What is this?	How do you get it right?		
48	Rng	Range of the proposed BHL.	Enter range number followed by E (for East) or W (for West) no space. Do not enter leading zeros.		
49	Footage at BHL	This section contains the footages (dista describe the proposed Bottom Hole Local	ances) and directions from section lines that ation (BHL) of the well.		
50	Feet	Distance (in feet) of the proposed BHL from nearest section line in north or south direction.	Enter number of feet, no decimals.		
51	Dir: (FNL/FSL)	Drop-down menu to identify which section line the distance is measured from: FNL is from the north line; FSL is from the south line.	1 - Select FNL or FSL. 2 - Default is N/A - a selection is required.		
52	Feet	Distance (in feet) of the proposed BHL from nearest section line in east or west direction.	Enter number of feet, no decimals.		
53	Dir: (FEL/FWL)	Drop-down menu to identify which section line the distance is measured from: FEL is from the east line; FWL is from the west line.	1 - Select FEL or FWL. 2 - Default is N/A - a selection is required.		

	<u>Local Government Tab</u>			
Ref #	Form 2 Field	What is this?	How do you get it right?	
1	LOCAL GOVERNMENT PERMITTING INFORMATION	This section contains the local government information required by the adoption of SB 19-181.		
2	County	Drop-down menu to select the county in which the proposed SHL is located.	 1 - Must match the well location plat. 2 - Enter even if the well or oil and gas location is within the boundaries of a municipality. 3 - Required. 	
3	Municipality:	Drop-down menu to select the municipality in which the proposed SHL is located.	 1 - Refer to COGCC online map to verify information. 2 - Select N/A if the well SHL is not within the boundaries of a municipality. 3 - Required. 	
4	Is the Surface Location of this Well in an area designated as one of State interest and subject to the requirements of § 24-65.1-108, C. R.S.?	Drop-down menu to indicate if the Surface Location for this well in an area designated as one of State interest and subject to the requirements of § 24-65.1-108, C.R.S. This statute if often referred to as "1041". The choices are: • YES • NO	1 - Contact the Relevant Local Government to verify the correct answer. 2 - Required.	
5	Per § 34-60-106 (1)(f)(I)(A) C.R.S., the following questions pertain to the Relevant Local Government approval of the siting of the proposed Oil and Gas Location.		es that the questions below pertain to the	
6	SB 19-181 provides that when "applying for a permit to drill," operators must include proof that they sought a local government siting permit and the disposition of that permit application, or that the local government does not have siting regulations. § 34-60-106(1)(f)(l)(A), C.R.S.	f This cites the revised statute that requires answers for the questions below.		
7	Does the Relevant Local Government regulate the siting of Oil and Gas Locations, with respect to this Location?	Drop-down menu to indicate if the local government with jurisdiction regulates the siting of the Oil and Gas Location for <i>this well</i> . The choices are: • YES • NO	1 - Contact the Relevant Local Government to verify the correct answer. 2 - If the local government has waived their righ to precede the COGCC in the siting of the oil and gas location subject to this application, then select "NO" and select "Waived" in the disposition dropdown (Ref #9, below). 3 - Required.	
8	If yes, in checking this box, I hereby certify that an application has been filed with the local government with jurisdiction to approve the siting of the proposed oil and gas location.	This certification check box serves as the proof required by § 34-60-106(1)(f)(I)(A) that the operator has filed an application with the local government for this well location.	1 - Contact the local government to verify that a application has been filed with local government prior to submitting this Form 2 to the COGCC. 2 - Required if answer to "Does the local government with jurisdiction regulate the siting" question (Ref #7) is "YES".	
9	The disposition of the application filed with the Relevant Local Government is:	Drop-down menu to indicate the disposition of the application filed with the local government. The choices are: • Approved • Denied • In Process • Other • Waived	1 - Verify disposition of the application with local government. 2 - Enter disposition of the local government application as of the date the Form 2 is submitted. 3 - Required if answer to "Does the Relevant Local Government regulate the siting" question (Ref #7 is "YES".	
10	Date of Final Disposition	Date that the Relevant Local Government provided Final Disposition on the siting permit for this Location.	Required if answer to "Does the Relevant Local Government regulate the siting" question is "YES" and disposition is "Approved" or "Denied."	
11	Comments	Any comments regarding the status of the local government application and/or description of the local government permit process.	 1 - Provide information to clarify the local government application status and/or process. 2 - If answer to "Does the local government with jurisdiction regulate the siting" question (Ref #7 is "YES" and Final Disposition above (Ref #9) is no "Approved," additional information is requested. 	

Form 2	Form 2 Checklist Version: 8/16/2022			
	Surface & Minerals Tab			
Ref #	Form 2 Field	What is this?	How do you get it right?	
1	SURFACE AND MINERAL OWNERSHIP AT WELL'S OIL & GAS LOCATION	The information in this section pertains to the surface and mineral ownership at the surface location of the well. Answers to these questions must be consistent with the information provided on the approved Form 2A.		
2	Surface Owner of the land as this Well's Oil and Gas Location	Drop-down menu to choose type of ownership at the surface location of the well: • N/A • FEE • STATE • FEDERAL • INDIAN	1 - Choose the correct ownership category for the Oil and Gas Location the proposed well will be on. 2 - FEE is private ownership. If applicant is owner, that is FEE. 3 - Default is N/A - a selection is required. 4 - This <u>must</u> be consistent with the Form 2A.	
3	Mineral Owner beneath this Well's Oil and Gas Location	Drop-down menu to choose type of mineral ownership under the surface location of the well: • N/A • FEE • STATE • FEDERAL • INDIAN	1 - Choose correct mineral ownership category for the proposed surface location. 2 - FEE is private ownership. 3 - Verify STATE, FEDERAL, and INDIAN minerals with applicable COGCC website map layers. 4 - Default is N/A - a selection is required. 5 - This must be consistent with the Form 2A.	
4	Surface Owner Protection Financial Assurance (if applicable)	This is applicable <i>only if</i> the Right-to-Construct indicated on the previously approved Form 2A for this well's Oil and Gas Location is "Bond." Drop-down menu to select either the amount of the operator's individual Surface Owner Protection Bond or to indicate a statewide blanket bond: • N/A • \$2,000 • \$5,000 • Blanket	1 - If the Form 2A Right-to-Construct is "Bond", and the bond is an individual surface bond, select the correct dollar amount. 2 - If the Form 2A Right-to-Construct is "Bond", and the bond is a statewide blanket bond surface bond, select "Blanket". 3 - Select N/A if the Form 2A Right-to-Construct is not "Bond".	
5	Surety ID Number (if applicable)	This is applicable <i>only if</i> the Right-to-Construct indicated on the previously approved Form 2A for this well's Oil and Gas Location is "Bond." The unique Surety ID Number of the operator's Surface Owner Protection Bond held by COGCC.	1 - Must be the unique Surety ID Number of the Surface Owner Protection Bond held by COGCC. 2 - Verify the ID corresponds to the bond granting the right to construct. 3 - Verify with information in operator files on COGCC website: • Accurate bond ID Number • Bond is active (not released). 4 - Leave blank if the Form 2A Right-to-Construct is not "Bond".	
6	MINERALS DEVELOPED BY WELL	The information in this section pertains to the ownership of the minerals that will be developed by the well.		
7	The ownership of all the minerals that will be developed by this Well is (check all that apply)	These are check boxes for the types of ownership for the minerals that the well will develop: • Fee • State • Federal • Indian • N/A	Well. 4 - For a well in a DSU, identify the ownership of all the minerals within that DSU. 5 - If the well is not in a DSU, identify the ownership of all the minerals that will be produced by the entire planned completed zone of the well. 6 - Select N/A for disposal wells, gas storage wells, and stratigraphic test wells.	
8	LEASE INFORMATION		s to a mineral estate that the operator has the right to d well. Though this right may be held in a way other than d to refer to the mineral estate.	

Form 2	Form 2 Checklist Version: 8/16/2022				
	Surface & Minerals Tab				
Ref #	Form 2 Field	What is this?	How do you get it right?		
9	Using standard QtrQtr, Section, Township, Range format describe one entire mineral lease as follows: • If this Well is within a unit, describe a lease that will be developed by the Well. • If this Well is not subject to a unit, describe the lease that will be produced by the Well. (Attach a Lease Map or Lease Description or Lease if necessary.)	Description of the area, or lands covered by, a lease or mineral estate that will be developed by the proposed well.	1 - Carefully follow the instructions provided above text box. 2- Provide the description of a single lease that will be developed (if in a unit) or produced (if not in a unit) by this wellbore. Do not combine leases. 3 - If the well is in a unit, at least part of the described lease must be within the unit. 4 - If the lease includes outlying, non-contiguous lands that do not affect the "distance to nearest lease line" measurement, these lands can be referred to as "and other lands" but must be included in the "Total Acres in Lease" data field (Ref# 10). 5 - If the lease description is short and simple enter it here and do not provide an attachment. 6 - If the lease description is too long for this text box, attach a "Lease Map" or "Mineral Lease Map" or "Legal/Lease Description" or "Oil & Gas Lease" and only enter "See attached lease map/description or lease" here. 7 - If the lease description is very complex or is in "metes and bounds" a "Lease Map" or "Mineral Lease Map" must be attached - only enter "See attached lease map" here. 8 - For disposal wells, gas storage wells, and stratigraphic test wells, enter a statement that no mineral estate will be developed by this proposed [disposal well or gas storage well or stratigraphic test well].		
10	Total Acres in Described Lease	The total (gross) acres contained in the lease described above (Ref# 9).	1 - Verify the accuracy by calculating the acres in the lands described above (Ref# 9). 2 - The description and acreage <u>must</u> match.		
11	Described Mineral Lease is	Drop-down menu to select the category of Mineral ownership of the described lease. The choices are: • N/A • FEE • STATE • FEDERAL • INDIAN	Choose correct ownership category of described lease. 1 - Select N/A for disposal wells, gas storage wells, and stratigraphic test wells. 2 - FEE is private ownership. 3 - Verify accuracy for STATE, FEDERAL, and INDIAN leases using COGCC GIS map layers.		
12	Federal or State Lease #	The unique number of a State or Federal oil and gas lease.	Verify accuracy by comparing with operator's lease documentation. Verify accuracy by comparing with COGCC GIS map layers.		

Form 2	Form 2 Checklist Version: 8/16/2022			
		Safety Setbacks Tab		
Ref #	Form 2 Field	What is this?	How do you get it right?	
1	Distance to nearest Building	The distance in feet from the surface location of this proposed well to the <u>nearest</u> building of any type.	Follow instructions as provided on form.	
2	Building Unit	The distance in feet from the surface location of this proposed well to the nearest Building Unit, as defined in 100 Series Rules.	Verify current distances for Amendments an Refiles; these distances may have changed from the previous permit. Note minimum setback distances per Rule 60	
3	Public Road	The distance in feet from the surface location of this proposed well to the nearest public road.	a. (1); exceptions to these minimum distances cannot be granted on the Form 2. 3 - For a multi-well pad, the cultural distances	
4	Above Ground Utility	The distance in feet from the surface location of this proposed well to the nearest above ground utility.	may change from well to well. 4 - Enter 5280 for a distance greater than 1 mile. 5 - If the nearest Building is a Building Unit, enter the same distance for both.	
5	Railroad	The distance in feet from the surface location of this proposed well to the nearest railroad.	6 - Each distance must be greater than the distance to that cultural feature from the edge of the Working Pad Surface on the approved Form 2A	
6	Property Line	The distance in feet from the surface location of this proposed well to the nearest property line.	for the well's Oil and Gas Location.	

Form 2 Checklist Version: 8/16/2022					
	Spacing & Formations				
Ref #	Form 2 Field	What is this?	How do you get it right?		
NOTE:	Regarding Voluntary Pooling	TIP to get it right:	Consult with COGCC permitting staff prior to submitting a Form 2 with voluntary pooling.		
1	Objective Formations		ctive geologic formation and any corresponding spacing order and ecessary for multiple objective formations.		
2	Objective Formation(s)	The name of, and the corresponding COGCC code for, the objective geologic	1- Make a selection from the drop-down menu list to populate the formation name and formation code. NOTE: A horizontal well may only have a single objective formation selected, unless it is intentionally planned as toe-up or toe-down to target more than one formation. In that case, enter a comment in the "Spacing & Formations Comments" box.		
3	Formation Code	the objective geologic formation(s) that the well is designed to produce from.	 2 - For an exploration well targeting a large stratigraphic section, the geologic age can be selected instead of numerous specific formations. 3 - A permit to recomplete a well must have specific formation names even though the orginal permit was approved with geologic age. 4 - For a DSU: Verify the selected formation name is the same name used in the spacing order. 		
4	Spacing Order Num(s)	The number of the approved Spacing Order the well is subject to. The Spacing Order Number notation is: Cause Number - Order Number.	For a DSU 1 - Required. 2 - Enter the number of the applicable Spacing Order for the unit this well will develop. 3 - Review the Spacing Order to verify the Spacing Order applies to the location of the completed portion of the proposed well and to the objective formation on this row of the table. 4 - Review the Spacing Order to verify the completed portion of the proposed well complies with unit boundary setbacks and inter-well setbacks required by the Spacing Order. 5 - Do not enter the number of a pooling order. For a Federal or SLB Unit, or Voluntary Pooling 6 - Leave this blank.		
5	Unit Acreage	The total acreage in the unit for a drilling and spacing unit (DSU).	For a DSU: enter the total acreage in the unit. This should match the acreage on the approved Spacing Order. For a well permitted with voluntary pooling: enter the total acreage of the pooled area. For a well in a Federal unit, SLB unit, or with no unit: leave this blank.		
6	Unit Configuration	The description of the lands within the unit for a well in a drilling and spacing unit (DSU).	For a DSU 1 - Describe the entire unit by Township, Range, and section with parts of sections as needed. 2 - Verify the completed portion of the proposed well lies within the lands described for the unit configuration and complies with unit boundary setbacks. For a well permitted with voluntary pooling: Enter the full legal description of the pooled lands, including township(s) and range(s). For a well in a Federal unit, SLB unit, or with no unit: leave this blank.		
7	Federal or State Unit Name	The name assigned to a Federal (BLM) or State Land Board (SLB) unit.	 If the proposed well is subject to a Federal or State Unit, enter the name here. Use the COGCC map layer or contact the BLM to verify a federal unit name. Contact the SLB to verify a state unit name. If the well is not subject to a Federal or State Unit, leave this blank. 		

Form 2 Checklist Version: 8/16/2022			
		Spacing 8	t Formations
Ref #	Form 2 Field	What is this?	How do you get it right?
8	Unit No.	The unique number assigned to a Federal (BLM) or State Land Board (SLB) unit.	 If the proposed well is subject to a Federal or State Unit, enter the number here. Use the COGCC map layer or contact the BLM to verify a federal unit number. Use the COGCC map layer or contact the SLB to verify a state unit number. If the well is not subject to a Federal or State Unit, leave this blank.
9	SUBSURFACE MINERAL SETBACKS	"lease" wells. A "unit" well is w	I's completion setbacks. The questions are specifc to "unit" wells and within AND is subject to (pays to) one of these: Drilling and Spacing unit, secondary recovery unit, or Voluntary Pooling Agreement. For
10	Is this Well within a unit?	Indicates if a well is within (pays to) a unit. The below two questions are required if the Well is in a	1 - Determine if the well is within AND subject to (pays to) a DSU, federal unit, state unit, secondary recovery unit, or voluntary pooling agreement. 2 - If the well is not in a unit answer "no." 3 - For Voluntary Pooling, answer "yes." 4 - The answer to this question will determine which set of two questions below must be answered. NOTE: The "Completed Zone" is that portion of wellbore between the TPZ and BPZ.
12	Enter the minimum distance from the Completed Zone of this Well to the Unit Boundary:	unit. Distance in feet from the completed zone of the proposed wellbore to the nearest unit boundary.	 Determine the boundaries of the unit or pooled area. Determine the completed zone of the proposed wellbore. Determine the shortest distance between the completed zone of the proposed wellbore and the boundary of the unit or pooled area. Depending on the wellbore path, the completed zone of the wellbore closest to a boundary may be the TPZ, the BPZ, or some point between them. Verify the distance is legal per the applicable order or rule or voluntary pooling agreement.
13	Enter the minimum distance from the Completed Zone of this Well to the Completed Zone of an offset Well within the same unit permitted or completed in the same formation:	Distance in feet from the completed zone of the proposed wellbore to the nearest completed zone of an existing well permitted OR completed in the same objective formation(s) and subject to the same unit as the proposed well.	 6 - Enter "5280" for a distance greater than 1 mile. 1 - Determine the completed zone and the objective formation of the proposed wellbore. 2 - For a DSU, review the Spacing Order to determine the spaced formations. 3 - Check for Designated Common Source Formations, as they are considered to be the "same formation." 4 - Identify the offset wells that are subject to the same unit and are permitted (approved and in-process permits) or completed (PR, SI, or TA status only) in the same formation. 5 - Determine the completed zones of the offset wells identified in Step 4. 6 - Measure the distance from the completed zone of the proposed wellbore to the completed zones of the offset wellbores to determine the minimum distance. 7 - Provide the Well Name and API Number (or document number if pending APD) of the nearest "offset wellbore permitted or completed in the same formation" in the Operator Comments on the Submit Tab. 8 - For a DSU with an interwell setback, review the Spacing Order to verfiy the minimum distance complies the interwell setback. Consult COGCC permitting staff if necessary. 9 - For single-well units, leave this field blank. 10 - Enter "5280" for a distance greater than 1 mile.
14	If NO:	The below two questions are required if the Well is "lease" well. (Not in a unit.)	NOTE: The "Completed Zone" is that portion of wellbore between the TPZ and BPZ. A "Lease Line" is a boundary of a lease or a mineral estate.
15	Enter the minimum distance from the Completed Zone of this Well to the Lease Line of the described lease:	Minimum distance in feet from the completed zone of the proposed wellbore to the boundary of the lease. The boundary of a lease is the Lease Line.	 Determine the boundaries of the lease that was described on the Surface & Minerals tab. Determine the completed zone of the proposed wellbore. Determine the shortest distance between the completed zone of the proposed wellbore and the boundaries of the lease, or lease lines. Depending on the wellbore path, the completed zone of the wellbore closest to a lease line may be the TPZ, the BPZ, or some point between them. Enter "5280" for a distance greater than 1 mile.

Form 2	Form 2 Checklist Version: 8/16/2022				
	Spacing & Formations				
Ref #	Form 2 Field	What is this?	How do you get it right?		
16	Enter the minimum distance from the Completed Zone of this Well to the Completed Zone of an offset Well producing in the same lease and permitted or completed in the same formation:	Distance in feet from the completed zone of the proposed wellbore to the nearest completed zone of an existing well permitted OR completed in the same objective formation(s) and <u>in the same lease</u> as the proposed well.	1 - Determine the Completed Zone and the objective formation of the proposed wellbore. 2 - Check for Designated Common Source Formations, as they are considered to be the "same formation." 3 - Identify the offset wells that are in the same lease and are permitted (approved and in-process permits) or completed (PR, SI, or TA status only) in the same formation. 4 - Determine the completed zones of the offset wells identified in Step 3. 5 - Measure the distance from the completed zone of the proposed wellbore to the completed zones of the offset wellbores to determine the minimum distance. 6 - Provide the Well Name and API Number (or document number if pending APD) of the nearest "offset wellbore permitted or completed in the same formation" in the Operator Comments on the Submit Tab. 7 - If there are no offset wells in the same lease and permitted (approved and in-process permits) or completed (PR, SI, or TA status only) in the same formation, leave this field blank. 8 - Enter "5280" for a distance greater than 1 mile.		
17	Exception Location	This section is used to indicate a Rule 401.c exception is sought. No other exceptions may be requested.	Check the box below if a 401.c Exception Location is being requested.		
18	If this Well requires the approval of a Rule 401.c Exception Location, enter the Rule or spacing order number and attach the Exception Location Request and Waivers.	The specific Rule or Spacing Order Number with which this planned well does not comply and therefore is an exception location.	1 - Enter the specific Rule or Spacing Order number the exception is requested from. 2 - Comply with specific requirements in Rule 401.c. 3 - The encroached-upon mineral owner(s) must sign an Exception Location Waiver(s). 4 - An Exception Location Request letter and signed Exception Location Waiver(s) must be attached. 5 - Refer to Form 2 Attachment Guidance for Exception Location Request and Exception Location Waiver requirements. 6 - Rule 401.c governs location exceptions for well completions only. Exception locations related to the surface must have already been addressed and approved via the Form 2A.		
19	Spacing & Formations Comments	Additional information necssary to clarify the spacing and objective formations of the proposed well, if necessary.	Voluntary Pooling 1 - State Voluntary Pooling is in effect. 2 - Refer to attached Declaration of Pooling. Toe-up or Toe-down Horizontal Well Clearly state that the well is designed as toe-up or toe-down to target more than one formation. Leave blank if none of the above apply.		

Form 2	Form 2 Checklist Version: 8/16/2022			
		Drilling & Waste Plan	1	
Ref #	Form 2 Field	What is this?	How do you get it right?	
1	DRILLING PROGRAM	This information describes the drilling program. Consult the operator's drilling operations program for the well. 1 - All of this information must match the drilling information on the approved 2A for the well's Oil and Gas Location. 2 - If the operator proposes to use a drilling program for the well other than that on the approved Form 2A, the operator must file a Form 4, Sundry Notice per Rule 301.c. The proposed change must be approved for the Oil & Gas Location before the Form 2 can be approved.		
2	Proposed Total Measured Depth	The proposed total measured depth of the well. When the permit is issued it will be the permitted total depth.	1 - This value must be equal to or greater than the deepest setting depth and cement bottom depth in the Casing Program table. 2 - For a directional or horizontal well, this value must match the total measured depth indicated on the Deviated Drilling Plan attachment and the imported Directional Data.	
3	TVD at Proposed Total Measured Depth	The intended TVD at the proposed total measured depth	1 - For a directional or horizontal well, this value must match the TVD at total depth indicated on the Deviated Drilling Plan attachment and the imported Directional Data. 2 - Not required for a vertical well.	
4	Distance from the proposed wellbore to nearest existing or proposed wellbore belonging to another operator, including plugged wells	The distance to the nearest wellbore belonging to another operator is used to verify compliance with and applicability of Rule 408.t and Rule 408.u. Rule 408.t relates to the entire wellbore. Rule 408.u relates to the treated intervals of proposed well and of the offset well.	Determine the distance to the nearest wellbore of another operator by following these steps: 1 - Consider both <i>entire</i> wellbores from the surface to TD. 2 - Consider all offset wellbores <i>belonging to other operators, including plugged wells</i> that are within 1500' of the proposed wellbore. Use the COGCC GIS map buffer tool as a guide. 3 - Consider both horizontal and vertical components of measurement. 4 - Measure the shortest distance between the two. 5 - Provide the Well Name and API Number of the "nearest permitted or existing wellbore belonging to another operator" on the Submit tab comments section.	
5	Enter distance if less than or equal to 1,500 feet	If there are one or more wells are within 1,500 feet of the wellbore as measured above, the closest distance will be entered here.	1 - In cases where the distance approaches or is less than 175', provide an Operator Comment on the Submit tab indicating Well Name, API Number, Well status, distance, and how distance was measured - 2D map view, 3D anti-collision, manual calculation. 2 - Leave blank if there is no well belonging to another operator within 1500 feet, and check the box below.	
6	No well belonging to another operator within 1500 feet.	Checkbox indicates if there is no well belonging to another operator within 1500 feet of the proposed well.	1 - Check if there is no well belonging to another operator within 1500 feet.2 - If this box is checked, leave the previous data field blank.	
7	Will a closed-loop drilling system be used?	Yes/No drop-down menu to indicate if a closed-loop drilling system will be used to drill the proposed well.	Select YES or NO as applicable	
8	Is H2S gas reasonably expectd to be encountered during drilling operations at concentrations greater than or equal to 100 ppm?	Yes/No drop-down menu to indicate if H2S is anticipated during the drilling of the proposed well.	1 - Select YES or NO as applicable. 2 - If "YES" is selected, an H2S Drilling Operations Plan must be attached per Rule 304.c.(10) unless one was already submitted with the Form 2A.	
9	Will there be hydraulic fracture treatment at a depth of less than 2,000 feet in this well?	Yes/No drop-down menu to indicate if hydraulic fracturing is planned at a depth of less than 2,000 feet.	Select YES/NO as applicable. If "YES" is selected, attach Geology and Hydrology Assessment and Engineering Assessment.	
10	Will salt Sections be encountered during drilling?	Yes/No drop-down menu to indicate if salt sections will be encountered during the drilling of the proposed well.	Select YES or NO as applicable	

Form 2	Form 2 Checklist Version: 8/16/2022			
		<u>Drilling & Waste Plan</u>	!	
Ref #	Form 2 Field	What is this?	How do you get it right?	
11	Will salt based (>15,000 ppm Cl) drilling fluids be used?	Yes/No drop-down menu to indicate if salt based drilling fluids will be used during the drilling of the proposed well.	Select YES or NO as applicable	
12	Will oil based drilling fluids be used?	Yes/No drop-down menu to indicate if oil based drilling fluids will be used during the drilling of the proposed well.	Select YES or NO as applicable	
	BOP Equipment Type:	These checkboxes indicate what type(s) used to drill the proposed well.	of Blowout Prevention equipment, if any, will be	
	Annular Preventor	Checkbox indicates if Annular Preventor BOP equipment will be used to drill the proposed well.		
13	Double Ram	Checkbox indicates if Double Ram BOP equipment will be used to drill the proposed well.	Check all type(s) of Blowout Prevention equipment, if any, will be used to drill the proposed well.	
	Rotating Head	Checkbox indicates if Rotating Head BOP equipment will be used to drill the proposed well.	any, will be used to drift the proposed well.	
	None	Checkbox indicates if no BOP equipment will be used to drill the proposed well.		
14	Beneficial reuse or land	Yes/No drop-down menu to indicate if a beneficial reuse or land application plan has been submitted to the COGCC.	Select YES or NO as applicable.	
	application plan submitted?	This plan could be a Waste Management Plan attached to the Form 2A or a Land Application Plan submitted via Sundry Notice, Form 4.	·	
15	Reuse Facility ID	The Facility ID Number of an approved Land Application Site.	1 - Provide Reuse Facility ID Number if applicable. 2 - If YES is selected above, either the Reuse Facility ID or the Reuse Document Number must be entered. 3 - The Land Application Site must have an Active (AC) status; it cannot be closed (CL) or abandoned (AL).	
16	Reuse Document Number	The Document Number of the Sundry Notice, Form 4 for a submitted beneficial reuse or land application plan that has not been approved yet.	Provide document number if applicable. If YES is selected above, either the Reuse Facility ID or the Reuse Document Number must be entered.	

Casing & Cementing Plan

NOTE: Use the "Add" button to create a new line in the Casing Data or Potential Flow and Confining Formation tables. Use the "Remove" button to delete a single line from the Casing Data or Potential Flow and Confining Formation tables.

Forma	tion tables.	5	,
Ref #	Form 2 Field	What is this?	How do you get it right?
1	CASING PROGRAM	All of this information describes the casing and cementing program for the well.	Verify all the information follows the "Casing and Cement Nomenclature Guidelines" document on Form 2 instructions page on COGCC website. Add additional rows as necessary to fully describe the casing.
2	Casing Type	The name of the casing string or liner. The drop-down menu provides a list of casing and liner types.	 Select applicable casing type. Casing design must include a surface string and a first string. Review total program - additional strings must be included if they are part of the drilling plan. Casing design must comply with Rule 212, Rule 408.e, Rule 408.f, Rule 408.g, Rule 408.h, Rule 408.i, and Rule 408.j.
3	Size of Hole		
4	Size of Hole (Fraction Numerator)	The size of the hole in inches.	
5	Size of Hole (Fraction Denominator)		1 - The hole size must be bigger than the casing size.
7	Size of Casing Size of Casing (Fraction Numerator)		2 - The "next" hole size must be smaller than the previous casing size. 3 - When the diameter is a whole number, leave fractions blank, do <u>not</u> enter zero for Fraction Numerator or Fraction Denominator.
8	Size of Casing (Fraction Denominator)	The size of the casing in inches.	
9	Grade	The grade of the casing.	Required for every string.
10	Weight per Foot	The weight per foot of the casing string.	The weight per foot is required for every string.
11	Casing/Liner Top	The proposed measured depth of the top of the casing string or liner.	 The top of every <u>casing</u> string is at the surface; the depth of those tops must be "0". A <u>liner</u> is set within the casing string above; the top of a liner must be above the setting depth of the previous casing string.
12	Setting Depth	The proposed measured depth of the bottom of the casing string or liner.	1 - The surface casing setting depth <u>must</u> be at least 50' deeper than the fresh water aquifers and the deepest water well within at least 1
13	Sacks Cement	The number of sacks of cement to be used to cement this casing string.	1 - Verify the volume will cover the interval from the cement top to cement bottom.2 - Cement volume must be in <u>sacks</u>, not <u>barrels</u>.
14	Cement BTM	The proposed measured depth of the bottom of the cement on this casing string or liner.	
15	Cement Top	The proposed measured depth of the top of the cement on this casing string or liner.	Cement must extend 200' above all known producing formations within one mile of the proposed well.
16	Annulus	The difference between the hole size and the outside diameter of the casing string or between two casing strings.	This is automatically calculated by the form for each casing string. The minimum is specified by Rule 408.f.(2).
17	Conductor Casing is NOT planned	Check box indicating that Conductor Casing is not planned.	The box must be checked if a conductor string is not planned and is not selected in the casing table.
18	POTENTIAL FLOW AND CONFINING FORMATION	The information in the "Potential Flow and Confining Formation" table and in the "Casing Program" table describe the Casing and Cementing Plan for the Well.	 The Hydrocarbon zone and at least one confining layer are required. All known zones that the well will penetrate should be identified. Add additional rows as necessary to decsribe all known zones.

Casing & Cementing Plan

NOTE: Use the "Add" button to create a new line in the Casing Data or Potential Flow and Confining Formation tables. Use the "Remove" button to delete a single line from the Casing Data or Potential Flow and Confining Formation tables.

	ation tables.			
Ref #	Form 2 Field	What is this?	How do you get it right?	
19	Zone Type	This is the type of zone being described in this row of the table. The drop-down menu choices are: Groundwater Hydrocarbon Subsurface Hazard Confining Layer	Select one of the zone types to start the row.	
20	Formation/Hazard	The name of the geologic formation or the name of the subsurface hazard.	 Provide the name of the geologic formation or the subsurface hazard type. Use the complete formation name. Do not use an abbreviation or the formation code. for example, use "Niobrara" not "Nio." Required for each row. 	
21	Top-Measured Depth	The estimated measured depth of the top of the formation or hazard.	1 - Provide the estimated measured depth in feet from surface to the top of the formation or subsurface hazard.2 - Enter whole number values only, no decimals.	
22	Top-True Vertical Depth	The estimated true vertical depth of the top of the formation or hazard.	1 - Provide the estimated true vertical depth in feet from surface to the top of the formation or subsurface hazard.2 - Enter whole number values only, no decimals.	
23	Btm-Measured Depth	The estimated measured depth of the bottom of the formation or hazard.	1 - Provide the estimated measured depth in feet from surface to the bottom of the formation or subsurface hazard.2 - Enter whole number values only, no decimals.	
24	Btm-True Vertical Depth	The estimated true vertical depth of the bottom of the formation or hazard.	1 - Provide the estimated true vertical depth in feet from surface to the bottom of the formation or subsurface hazard.2 - Enter whole number values only, no decimals.	
25	TDS(mg/L)	The TDS (Total Dissolved Solids) value, in milligrams per liter, of the groundwater in the zone being described in this row of the table. The drop-down menu includes these TDS value ranges: • 0 - 500 • 501 - 1000 • 1001 - 10000 • >10000	 Select the appropriate range for the actual or estimated total dissolved solids (TDS) in the groundwater. NOTE: A discrete value cannot be entered. Only the value range is required. Only required if the <i>Zone Type is Groundwater</i>. 	
26	Data Source	The source of the TDS data supplied in the TDS column. The drop-down menu choices are: • WQCC • DWR • CGS • USGS • Groundwater Atlas • Field Scout Card • Electronic Log Calulation • Produced Water Sample • Groundwater Sample • Other	 1 - Select the source of data for the TDS value supplied in the TDS column. 2 - Only required if the <i>Zone Type is Groundwater</i>. 	
27	Comments	Comments and other information related to the zone described in this row.	1 - Provide additional comments to support information in this row. 2 - If "Other" was selected in the Data Source column describe the alternate Data Source here.	

Form 2	Form 2 Checklist Version: 8/16/2022				
	Offset Well Evaluation - eForm Tab				
Ref #	Form 2 Fields	What is this?	How do you get it right?		
NOTE:	Per Rule 308.b.(7) th	ne Offset Well Evaluation applies to all we	ells.		
1	Total Wells	The total number of wells listed on the imported Offset Well Evaluation spreadsheet.	The eForm system autopopulates this number.		
2	Total Offset Well Operators	The total number of operators of wells listed on the imported Offset Well Evaluation spreadsheet. The drop-down menu is a list of the individual operators.	The eForm system autopopulates the number and the list.		
3	Meets Standard (STD)	The total number of wells listed on the imported Offset Well Evaluation spreadsheet that meet the plugging standard.	The eForm system autopopulates this number.		
4	Needs Evaluation	The total number of wells listed on the imported Offset Well Evaluation spreadsheet that do not meet the plugging standard and need to be evaulated.	The eForm system autopopulates this number.		
5	Operator's Wellbore Integrity Contact Email	The email address for the person COGCC staff can contact with any technical questions about the Offset Well Evaluation.	This <u>must</u> be a working email address to which technical questions can be sent. This email address is also entered on the spreadsheet.		
6	No Offset Well within 1500'	Checkbox indicates that there are no wells within 1500' of the proposed horizontal wellbore.	1 - Check this if there are no wells within 1500'. 2 - Do <u>not</u> attach an offset well evaluation if this is checked.		
7	View/Modify Detail	Button opens the table for offset well evaluation data. Click the "Import Data" button on the opened table to browse your system for the completed data template.	Open the table to verify data was imported successfully.		
8	Download Blank Form/Example/ Instructions	Button opens a blank Offset Well Evaluation Template spreadsheet.	Use a new "fresh" template for each form to avoid corruption.		

Form	Form 2 Checklist Version: 8/16/2022				
	Offset Well Evaluation Template - eForm List				
Ref #	Form 2 Fields	What is this?	How do you get it right?		
NOTE	: Per Rule 308	B.b.(7) the Offset Well Evaluation app	lies to all wells.		
	ALL FIELDS	This is the list of wells within 1500' of the proposed wellbore that have been evaluated per Rule 308.b(7).	 1 - Comply with Rule 308.b(7). 2 - Verify the document meets all the requirements in the instructions provided on the Offset Well Evaluation spreadsheet template. 3 - Check document for typos. 		

Form 2 Checklist Version: 8/16/2022					
	Operator BMP/COA				
Ref #	Form 2 Field	What is this?	How do you get it right?		
1	Item #	The number for easy reference to the BMPs.	It is autopopulated by eForms each time a new BMP is added.		
2	ВМР/СОА Туре	The drop-down menu list of types to describe each proposed BMP: • Planning • Community Outreach and Notification • Pre-Construction • Traffic Control • General Housekeeping • Wildlife • Storm Water/Erosion Control • Material Handling and Spill Prevention • Dust Control • Construction • Noise mitigation • Emissions mitigation • Odor mitigation • Drilling/Completion Operations • Interim Reclamation • Final Reclamation • Underground Injection Control	Choose appropriate label for the BMP.		
3	Description	The description of an operator's proposed BMP for the well. Some BMPs are voluntarily proposed by the operator in lieu of staff placing a COA on the permit.	1 - NOTE: only BMPs for <u>downhole</u> or <u>wellbore operations</u> should be included on the Form 2. 2 - Surface BMPs (such as lights, odors, noise, traffic, etc.) should <u>ONLY</u> be on the related Form 2A. 3 - Check "Operator Guidance" on the COGCC website for required BMPs.		

Form 2 Checklist Version: 8/16/2022				
	<u>Submit Tab</u>			
Ref #	Form 2 Field	What is this?	How do you get it right?	
			ANY clarifying information or explanation can be provided here. It is a useful tool that can potentially save time/phone calls/emails between you and COGCC. Please use it! COGCC Guidance and Instructions require certain information to be provided in this comment box:	
1	Comments	Text box for Operator Comments.	1 - Nearest well belonging to another Operator: Provide the Well Name and API Number of the "nearest permitted or existing wellbore belonging to another operator" as cited on the Drilling & Waste Plan tab. 2 - Rule 408.u: Summarize status of any written consents required by Rule 408.u. 3 - Wells with treated interval separation less than 175 feet: For proposed horizontal well, list other operator wells with treated interval less 175' from the treated interval of the proposed well. Provide Well Name, API Number, Well	
			status, distance, and how distance was measured - 2D map view, 3D anti-collision, manual calculation. 4 - Nearest well in same formation: Provide the Well Name and API Number (or document number if pending APD) of the "offset wellbore permitted or completed in the same formation" as cited on the Spacing & Formation tab. 5 - For Amend and Refile Form 2s: Summarize any changes being made from the previously approved Form 2. 6 - Unplanned Sidetrack: Provide the information required per the guidance document. 7 - Lost Hole - Rig Skid: Provide the information required per the guidance document.	
			8 - Drilling Plan Changes: If the Drilling Plan on this Form 2 differs from the approved Form 2A, identify the Form or Hearing Application submitted to change the approved Form 2A or OGDP.	
2	This application is in a Comprehensive Area Plan	Yes/No drop-down menu to indicate if the well is within the area of a Rule 314 Comprehensive Area Plan (CAP). If the well is within the area of a Comprehensive Drilling Plan (CDP) approved prior to January 15, 2021, answer "yes".	1 - Confer with your internal staff/management to verify whether the well is within a CAP. 2 - Use the COGCC website map layer for Comprehensive Area Plans (in the "Orders" layer folder) to verify the well's location within a CAP.	
3	CAP#	The ID number the COGCC has assigned to an approved CAP. If the well is within the area of a Comprehensive Drilling Plan (CDP) approved prior to January 15, 2021,	Confer with your internal staff/management or COGCC staff to obtain the correct CAP ID number.	
4	OGDP ID#	enter the ID number the COGCC has assigned to the CDP. The ID number the COGCC has assigned to the approved OGDP	Confer with your internal staff/management or COGCC staff to obtain the correct OGDP ID number.	
5	Oil and Gas Development Plan Name	The name of the approved Oil and Gas Development Plan this well is part of	This item will autopopulate from the entered OGDP ID and cannot be edited. Contact permitting staff if the name that populates is incorrect.	
6	Expiration Date	The expiration date of the approved Oil and Gas Development Plan this well is part of.	1 - This item will autopopulate from the entered OGDP ID and cannot be edited. 2 - Contact permitting staff if the date is incorrect. 3 - This date will determine the expiration date of the Form 2.	
7	Location ID	The Location ID Number of the Oil & Gas Location where the well will be located.	Enter the Location ID Number. Verify the accuracy of the ID number using the scout card and the location layer on the maps on the COGCC website.	

Form 2	Form 2 Checklist Version: 8/16/2022				
	<u>Submit Tab</u>				
Ref #	Form 2 Field	What is this?	How do you get it right?		
8	Location Name	The name of the Oil and Gas Location where the well will be located.	This item will autopopulate from the entered Location ID and cannot be edited. Contacted permitting staff if the name is incorrect.		
9	API Number (County Code)	The 3-digit API County Code for the surface location of the well.	1 - The API Number is assigned to the well/wellbore when the APD is approved, so it does not exist for a new well. 2 - The API Number is required for the following types of permits:		
10	API Number (Sequence Code)	The 5-digit Sequence Code uniquely identifying this well.	Refile Amend Sidetrack of a previously permitted well or an existing well Recompletion of an existing well		
11	API Number (Suffix)	The 2-digit Sidetrack suffix to designate each wellbore of the well.	Re-entry of a plugged well Check the Scout Card on the COGCC website to verify accuracy.		
12	Submitter's Name and Email are the same as CONTACT Name and Email?	Check box to autopopulate the Submitter's Name and Email when they are the same as the Operator Contact Name and Email on the first tab.	1 - Check the box if the Submitter's Name and Email are the same as the Operator Contact Name and Email on the first tab. 2 - The eForm system will autopopulate the information for you.		
13	Print Name	This is the name of the person who is submitting the form.	This information is required. The person submitting the form must be a designated		
14	Title	This is the title of the person who is submitting the form.	agent per a valid Form 1A. 3 - This agent may be an employee of the Operating		
15	Email	This is the email of the person who is submitting the form.	Company (or parent company) or a consultant.		

Related Forms Tab

NOTE: Use the "Add" button to create a new line for entering Related Forms Data. Use the "Remove" button to delete a single line of Related Forms Data.

Ref #	Form 2 Field	What is this?	How do you get it right?
1	Related Type	Drop-down menu of numbers representing the types of COGCC forms.	Select the type of form that is being related to this form.
2	Document #	The eForm-assigned Document Number of the Form or Forms that are being submitted concurrently with this Form 2 and are related to it.	 Enter the eForm-assigned Document Number of the related Form. If there is a Form 4, Sundry Notice for the location this well will be on, that should be included. Do not enter Document Numbers of forms that have already been approved; if an approved Document Number is relevant, it should be noted in the comments on the Submit tab.
3	Memo	The information about the related form.	This is optional.

	orm 2 Checklist Version: 8/16/2022			
	<u>Attachments</u>			
Ref#	Form 2 Fields	What is this?	How do you get it right?	
	<u>ALL</u> ATTACHMENTS		 Verify attachment is for THIS well - identical well name and well number entered on form. Verify document meets all of the requirements in the attachment guidance on Form 2 instructions page on COGCC website. (If available.) Verify information on attachment matches all corresponding values entered into data fields on the form. Verify attachment opens; verify that it is not corrupt. Check all attached documents for typos. Verify form has all required attachments. Only use attachment names that are on the below List of Attachments. 	
1	Add	Link to browse your system to select documents to attach to the form.	Browse to choose document to be attached to the form. Only PDFs may be attached to a Form 2.	
2	Remove	Button to remove the selected attachment.	Attachments that have been submitted to COGCC can only be removed by COGCC staff, even if a form has been returned t DRAFT.	
3	Import Directional Drilling	Link to browse to choose Directional Data spreadsheet template and import data.	1 - Use a "fresh" template from COGCC website everytime to prevent corrupted sreadsheet.2 - Verify data import is successful: Button changes to yellow	
4	Refresh	Refreshes attachment when changes are made	Click to refresh attachment when changes are made.	
5	Desc	The name of the attachment. The dropdown lists all of the Form 2 attachment names within a pop up window.	Select correct name for document. Only use names found in the below List of Attachments. Contact COGCC permitting staff if not sure.	
6	Name	The <i>file</i> name of the attached document.	Follow these guidelines for the attachment <i>file</i> name: 1 - Avoid extra long names. 2 - Do not use spaces, hyphens (-) or special characters such as: ! # \$ % & '@ ^ ` ~ + , . ; =) (. 3 - Use UpperCamelCase - UseUppercaseCharactersToShowTheBeginningOfTheNextWord 4 - If delimiting is still required use an underscore (_). 5 - When adding the date to the file name use the format of yyyymmdd as in 20130925. 6 - After the form is IN PROCESS, eForms will assign documer numbers to each file.	
7	View	Button that opens the attached document.	N/A	
	1	LIST OF ATTACH	MENTS	
	COMMUNITIZATION AGREEMENT	The standard agreement used by the BLM and SLB to pool their mineral interests with fee mineral interests in a unit or within a voluntarily pooled area. This serves as the DECLARATION OF POOLING when federal or state minerals are pooled.	Required if the proposed well is permitted with voluntary pooling. Otherwise, this is usually optional. Consult COGCC permitting staff prior to attaching.	
	CORRESPONDENCE	This is any correspondence that pertains to the permitting of the proposed well or wellbore.	For an UNPLANNED Sidetrack, the email approval from COG engineering staff <u>must</u> be attached as "Correspondence."	

Form 2	form 2 Checklist Version: 8/16/2022			
	<u>Attachments</u>			
Ref #	Form 2 Fields	What is this?	How do you get it right?	
	DECLARATION OF POOLING	In this document the operator declares, or certifies, that they have voluntarily pooled all the mineral interests within a specified area. This voluntary pooling will take the place of a DSU or a WSU. This document is sometimes referred to as a "Pooling Declaration" or a "Pooling Dec."	 Required if the proposed well is permitted with voluntary pooling. Must be signed by the operator. Must identify and describe the leases being pooled. Must include the legal description and the size (in acres) of the pooled lands. A Unit Configuration Map must also be attached, if not included in the declaration. Consult COGCC permitting staff prior to submitting a Form 2 with voluntary pooling. 	
	DEVIATED DRILLING PLAN	The deviated drilling plan for a directional or horizontal well.	Required for a directional or horizontal well. 1 - Data matches Well Location Plat. 2 - Data matches Directional Data. 3 - Data matches location data entered on the form. 4 - Document complies with requirements of Rule 410.a. 5 - The total measured depth indicated in the Deviated Drilling Plan must match the Proposed Total Measured Depth entered on the Drilling & Waste Tab. 6 - The TVD of the total measured depth indicated in the Deviated Drilling Plan must match the TVD at Proposed Total Measured Depth entered on the Drilling & Waste Tab	
	DIRECTIONAL DATA	The directional data imported via the spreadsheet template. The eForm system creates this attachment when the data has been successfully uploaded.	 Required for a directional or horizontal well. Review the data to verify that it matches the attached Deviated Drilling Plan. Open to verify data upload was successful. 	
	DRILLING PLAN	The written description of the drilling plan for the well. It could be the plan prepared for a Federal Drilling Permit.	This is optional unless requested by COGCC staff.	
	ENGINEERING ASSESSMENT	A description of proposed drilling process, well design, and completion process per rule 308.b. (8)B.	Required per Rule 308.b.(8) if there will be hydraulic fracturing treatmnet at depths of 2,000 feet or less.	
	EXCEPTION LOC REQUEST	The Exception Location Request is a letter asking for the Director's approval of an exception location for the proposed well. An Exception Location must be requested if the location of the well does not comply with the well location requirement of a specific Rule or Order.	 Required if the 401.c Exception Location box is checked on the Spacing & Formations tab of the form. Attach any required Exception Location Waiver(s). The exception location waiver(s) may be combined with the request as a single attachment, but a comment stating this <u>must</u> be made on the Submit tab. 	
	EXCEPTION LOC WAIVERS	The letter or other document signed by the impacted party waiving the Operator's compliance with a rule or order.	1 - Required if the 401.c Exception Location box is checked on the Spacing & Formations tab of the form. 2 - Attach the required Exception Location Request.	
	FED. DRILLING PERMIT	The federal (BLM) drilling permit for the proposed well.	This is optional unless requested by COGCC staff.	
_	FED. SUNDRY NOTICE	The federal (BLM) sundry notice for the proposed well.	This is optional unless requested by COGCC staff.	
	GEOLOGY AND HYDROGEOLOGY ASSESSMENT	An assessment of the local geology and Groundwater resources within 2 miles of the proposed wellbore.	Required per Rule 308.b.(8) if there will be hydraulic fracturing treatmnet at depths of 2,000 feet or less.	
	H2S DRILLING OPERATIONS PLAN	The H2S Drilling Operations Plan for a well in which H2S gas is expected to be encountered during drilling operations.	Required per Rule 612.d unless the plan was already submitted with the Form 2A pursuant to Rule 304.c.(10).	
	LEASE MAP	The map of the lease identified, decsribed, or referred to in the "Lease Description" text box on the Surface & Minerals tab.	1 - "Lease Map" or "Mineral Lease Map" is required if lease description is in metes & bounds or very complex. 2 - "Lease Map" or or "Mineral Lease Map" or "Legal/Lease Description" or "Oil & Gas Lease" must be attached if lease description is too lengthy for the "Lease Description" text box (Ref #9 on the Surface & Minerals tab).	

		Attachment		
	<u>Attachments</u>			
Ref#	Form 2 Fields	What is this?	How do you get it right?	
	LEGAL/LEASE DESCRIPTION	The description of the lease identified or referred to in the "Lease Description" text box on the Surface & Minerals tab.	"Legal/Lease Description" or "Lease Map" or "Mineral Lease Map" or "Oil & Gas Lease" must be attached if lease description is too lengthy for the "Lease Description" text bo (Ref #9 on the Surface & Minerals tab).	
	MINERAL LEASE MAP	The map of the lease identified, described, or referred to in the "Lease Description" text box on the Surface & Minerals tab.	1 - "Mineral Lease Map" or "Lease Map" is required if lease description is in metes & bounds or very complex. 2 - "Mineral Lease Map" or "Lease Map" or "Legal/Lease Description" or "Oil & Gas Lease" must be attached if lease description is too lengthy for the "Lease Description" text bo (Ref#9 on the Surface & Minerals tab).	
	OFFSET WELL EVALUATION	The offset well data imported via the Offset Well Evaulation template. The eForm system creates this attachment when the data has been successfully uploaded.	1 - Required per Rule 308.b.(7) 2 - Open to verify data upload was successful.	
	OIL & GAS LEASE	The copy of the actual oil and gas lease identified or referred to in the "Lease Description" text box on the Surface & Minerals tab.	1 - "Mineral Lease Map" or "Lease Map" is required if lease description is in metes & bounds or very complex. 2 - "Mineral Lease Map" or "Lease Map" or "Legal/Lease Description" or "Oil & Gas Lease" must be attached if lease description is too lengthy for the "Lease Description" text bo (Ref #9 on the Surface & Minerals tab).	
	OPEN HOLE LOGGING EXCEPTION	The Open Hole Logging Exception is a letter asking the Director to approve an exception to Rule 408.r for the proposed well.	Comply with all the requirements in the guidance document "Rule 408.r: Requirement to Log a Well" posted with Operato Guidance on the COGCC website.	
	OTHER	Any attachment for which the Form 2 attachment name list does not have an appropriate name.	This is optional unless requested by COGCC staff.	
	P&A ASSESSMENT	The assessment of plugged and abandoned wells to meet the requirements of Rule 614.a.	Comply with the requirements of Rule 614.a(1) and (2) for proposed Coalbed Methane Wells.	
	PROPOSED BMPS	Best Management Practices	Not required.	
	PROPOSED OPERATIONS	The description of the planned procedure to Deepen, Re-enter, Recomplete, or Sidetrack (including unplanned sidetracks) an existing well, required by 308.b.(3).	Attach only if the description of operations cannot be placed in the submit comments.	
	PROPOSED PLUGGING PROCEDURE	Procedure and planned cement placement depths in the event of a dry hole.	Not required.	
	STIMULATION SETBACK CONSENT	The signed written consent of the operator(s) of the well(s) that have treated intervals located within 150' of the treated interval of a proposed wellbore.	Required per Rule 408.u.	
	SURFACE AGRMT/SURETY	The Surface Use Agreement (SUA), as defined in the COGCC Series 100 Rules.	May be required for UIC wells. Consult with COGCC permitti staff.	
	SURFACE OWNER CONSENT	A signed consent for oil and gas operations.	Not required.	
	WAIVERS	Any waiver other than an Exception Location Waiver. It may be associated with a Rule 502.b Variance Request.	Required in certain situations. Consult with COGCC staff prioir to submitting.	
	WELL LOCATION PLAT	The Well Location Plat required by Rule 308.b.(4).	1 - Required for all new wells. 2 - The plat must comply with Rule 308.b.(4).	
	WELLBORE DIAGRAM	The diagram depicting the wellbore construction.	Required for permit to Deepen, Re-enter, Recomplete, or Sidetrack (including unplanned sidetracks) per Rule 308.b.(2)	