

# *COGCC Form 2A Modifications and Checklist*

Operator Training

January 7, 2021



**COLORADO**  
Oil & Gas Conservation  
Commission

Department of Natural Resources

Oil and Gas Location  
Assessment Team

# Overview

- Introduction - John Noto
- Consultation & Contact Info - Rebecca Treitz
- Surface & Minerals - Stephen Schwarz
- Construction, Drilling & Waste - James Hix
- Land Use & Soils - Melissa M. Housey, P.G.
- Equipment & Flowlines - Doug Andrews
- Submit - John Noto

# *Form 2A Tab and Checklist Overview*

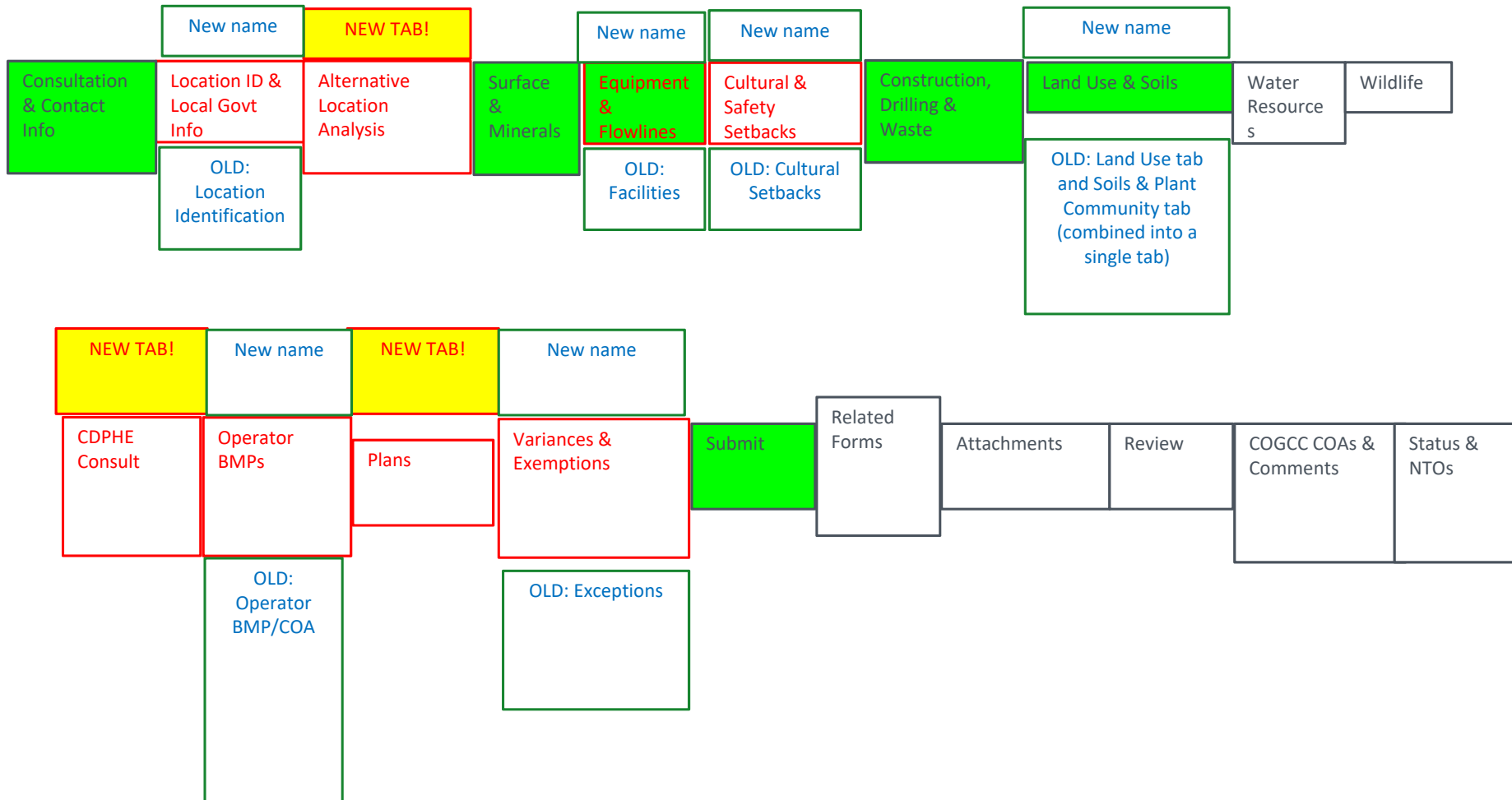
## Introduction:

This is the first of a series of training sessions on how to complete the new Form 2A

## Guidance materials will include:

- checklist with instructions for data fields
- mockup of the form with numbered data fields

# Form 2A: Tabs in this training session



# *Progress*

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# Consultation & Contact Info - Form 2A

**1** New Location  **2** Refile  **3** Amend Existing Location # **4**

If this Location assessment is a component of an Oil and Gas Development Plan (OGDP) application, enter the OGDP docket number(s).

OGDP Docket #: **5**

If this Location assessment is part of an existing Oil and Gas Development Plan, enter the OGDP ID number(s).

OGDP ID #: **6**

### CONSULTATION

**7** This location is included in a Comprehensive Area Plan. CAP ID #: **8**

**9** This location is in a COGCC defined High Priority Habitat (HPH).

**10** This Location is within 2,640 feet of a GUDI or Type III Well per Rule 411.b.(4).

**11** This Location includes a Rule 309.e.(2).E variance request.

**12** This location includes a Rule 309.f.(1).A.ii variance request.

(i) reset value by entering "-1"

### CONTACT INFORMATION

Contact Name: **13** **14** (eg. First Name Last Name)

Phone: **15** Fax: **16**

Email: **17**

Mailing Info: **18**

Operator Num: **19** Suff: **20**

Address: **21**

City: **22** State: **23** Zip: **24**

### FINANCIAL ASSURANCE

**25** Plugging and Abandonment Bond Surety ID **26**  **27** Gas Facility Surety ID(Rule 711): **28**

**29** Waste Management Surety ID(Rule 704): **30**



# Consultation & Contact Info - Form 2A

**1** New Location  **2** Refile  **3** Amend Existing Location #

If this Location assessment is a component of an Oil and Gas Development Plan (OGDP) application, enter the OGDP docket number(s).

If this Location assessment is part of an existing Oil and Gas Development Plan, enter the OGDP ID number(s).

OGDP Docket #:

Add

Remove

OGDP ID #:

Add

Remove

## CONSULTATION

**7** This location is included in a Comprehensive Area Plan. CAP ID #:

**9** This location is in a COGCC defined High Priority Habitat (HPH).

**10** This Location is within 2,640 feet of a GUDI or Type III Well per Rule 411.b.(4).

**11** This Location includes a Rule 309.e.(2).E variance request.

**12** This location includes a Rule 309.f.(1).A.ii variance request.



# Consultation & Contact Info - Checklist

3	Amend Existing	This check box indicates if the Oil and Gas Location Assessment (Form 2A) is to amend an existing location.	<p>1 - Check the box if the Oil and Gas Location Assessment (Form 2A) is amending an existing location.</p> <p>2 - If the Form 2A is an Amended Form 2A, the Location ID Number must be entered on the Consultation &amp; Contact Info Tab (Consultation &amp; Contact Info Tab Ref# 4).</p> <p>3 - The Amend Existing Location option should be selected when the operator wishes to expand an existing Working Pad Surface or Oil and Gas Location, add a Well or Pit, or make a significant change to the design and operation of the Oil and Gas Location.</p>
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# Consultation & Contact Info - Checklist

5	OGDP Docket #	The docket number the COGCC Hearings Unit has assigned to the Oil and Gas Development Plan Hearing Application.	Confer with your internal staff/management or COGCC staff to obtain the correct OGDP docket number.
6	OGDP ID #	The OGDP ID number the COGCC has assigned to the Oil and Gas Development Plan.	1 - If an OGDP has not yet been approved, leave this box blank as an ID has not been assigned. 2 - If an OGDP has been approved, enter the OGDP ID Number. 3 - Verify the accuracy of the OGDP ID number.
7	This location is included in a Comprehensive Area Plan.	This check box indicates if the Oil and Gas Location Assessment (Form 2A) is part of a Comprehensive Area Plan (CAP).	Check this box only if a Comprehensive Area Plan has been approved.
8	CAP ID #	The number the COGCC has assigned to an approved Comprehensive Area Plan (CAP).	Confer with your internal staff/management or COGCC staff to obtain the correct CAP number.
9	This location is in a COGCC defined High Priority Habitat (HPH).	This check box indicates if the Oil and Gas Location Assessment (Form 2A) is proposing a location that is entirely within or partially within a mapped High Priority Habitat.	1 - Check this box only if you have also indicated this oil and gas location or associated new access road, utility, or pipeline corridor falls within a High Priority Habitat on the Wildlife Resources tab. 2 - Verify the oil and gas location is in a High Priority Habitat using the HPH layer on the maps on the COGCC website.
10	This Location is within 2,640 feet of a GUDI or Type III Well per Rule 411.b.(4).	This check box indicates there is a GUDI or Type III well within a half mile of the oil and gas location.	1 - Verify the oil and gas location is within 2,640 feet of a GUDI or Type III well using the layers in the Water Resources folder on the maps on the COGCC website. 2 - If this box is checked, cross-check with data field #16 on the Water Resources tab.
11	This Location includes a Rule 309.e.(2).E variance request.	This check box indicates if the Operator is seeking a variance as part of the Oil and Gas Location Assessment (Form 2A) requiring CPW consultation.	Check this box if a variance is being sought from any COGCC Rule listed in Rule 309.e.(2).E.
12	This location includes a Rule 309.f.(1).A.ii variance request.	This check box indicates if the Operator is seeking a variance as part of the Oil and Gas Location Assessment (Form 2A) requiring CDPHE consultation.	Check this box if a variance is being sought from any COGCC Rule listed in Rule 309.f.(1).A.ii.



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# Surface & Minerals tab - Form 2A

## SURFACE & MINERAL OWNERSHIP

Surface Owner Info:

1

Name	Phone	Fax	Address	Address2	City	State	zip	Email
2	3	4	5	6	7	8	9	10

Add Remove

Surface Owner at this Oil and Gas Location:

11

12 Check only one:

13  The Operator/Applicant is the surface owner.

14  The Operator has a signed Surface Use Agreement for this Location – attach SUA.

15  All operations on this Oil & Gas Location will develop the minerals beneath the Location, and the surface owner owns the minerals beneath this Location and is committed to an oil and gas lease – attach lease map or provide lease description.

16  All operations on this Oil & Gas Location will develop the minerals beneath the Location, and the Operator intends to use a surface bond per Rule 703 to secure access to this Location – attach lease map or provide lease description.

Surface Owner protection Financial Assurance type:

17

Surety ID Number:

18

Mineral Owner beneath this Oil and Gas Location:

19

Minerals beneath this Oil and Gas Location will be developed from or produced to this Oil and Gas Location:

20

Lease description  
if necessary:

21



# Surface & Minerals tab - Checklist

Ref #	Form 2A Field	What is this?	How do you get it right?
12	Check only one:	Carefully read the four different options and select the single option that is granting the Operator the right to drill at this proposed oil and gas location.	
13	The Operator/Applicant is the surface owner.	This check box indicates that the Operator/Applicant of the Oil and Gas Location Assessment (Form 2A) is the owner of the surface where the proposed oil and gas location is to be sited.	If the operator has listed themselves, or one of their subsidiaries, in the above Surface Owner Info section, this box should be checked.
14	The Operator has a signed Surface Use Agreement for this Location - attach SUA.	This check box indicates that the Operator has a signed Surface Use Agreement (SUA) with the owner of the surface where the proposed oil and gas location is to be sited. The SUA is also attached.	1 - If the operator has signed an SUA with the party listed in the above Surface Owner Info section or their successor/assign, this box should be checked. 2 - Surface Use Agreement <b>MUST</b> be attached if this checkbox is selected.
15	All operations on this Oil & Gas Location will develop the minerals beneath the Location, and the surface owner owns the minerals beneath this Location and is committed to an oil and gas lease - attach lease map or provide lease description.	This check box indicates that the surface owner owns the minerals under the surface of the proposed oil and gas location, and those minerals have been leased to the Operator/Applicant of the Oil and Gas Location Assessment (Form 2A), and that lease is granting the right to construct this proposed oil and gas location.	1 - Check the box if the surface owner also owns the minerals under the surface location <b>and</b> those minerals have been leased <b>and</b> those minerals have been leased to the Operator/Applicant of the Oil and Gas Location Assessment (Form 2A). 2 - If the surface owner also owns the minerals under the surface location and those minerals have been leased and those minerals have been leased to the Operator/Applicant of the Oil and Gas Location Assessment (Form 2A), <b>BUT</b> there is also a Surface Use Agreement, <b>DO NOT</b> select this check box and instead select the one above (REF #14).
16	All operations on this Oil & Gas Location will develop the minerals beneath the Location, and the Operator intends to use a surface bond per Rule 703 to secure access to this Location - attach lease map or provide lease description.	This check box indicates the Operator will be using a surface bond for the right to construct on the surface for this proposed oil and gas location.	1 - Check this box <b>ONLY</b> if a surface bond is being used to secure the right to construct and drill on the surface. 2 - If this box is checked, the "Surface Owner protection Financial Assurance type" (REF 17) must also be selected. 3 - If this box is checked, the "Surface Surety ID" (REF 18) must also be entered.



# Surface & Minerals tab - Checklist

Ref #	Form 2A Field	What is this?	How do you get it right?
21	Lease description if necessary:	Description of the area, or lands covered by, a lease or mineral estate that will be developed by the proposed well.	<p>1 - If check box REF #15 or REF #16 is selected, a lease description (or lease map attachment) <b>must</b> be provided.</p> <p>2 - Provide the description of a <u>single</u> lease that will be developed by a well on this proposed oil and gas location. Do not combine leases.</p> <p>3 - If the minerals beneath the surface location are leased and will be developed by a well on this proposed oil and gas location, describe this lease.</p> <p>4 - If the lease description is short and simple enter it here and do not provide an attachment.</p> <p>5 - If the lease description is too long for this text box, attach a "Mineral Lease Map" attachment and only enter "See attached lease map/description or lease" here.</p> <p>6 - If the lease description is very complex or is in "metes and bounds" a "Lease Map" or "Mineral Lease Map" <b>must</b> be attached - only enter "See attached lease map" here.</p> <p>7 - If check box REF #13 or REF #14 is selected, a lease description (or lease map attachment) is optional.</p>



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# Construction, Drilling & Waste - Old Form 2A

Consultation & Contact Info	Location Identification	Facilities	<b>Construction, Drilling &amp; Waste</b>	Surface & Minerals	Land Use	Cultural Setbacks	Soil & Plant Community	Water Resources	Wildlife	Operator BMP/COA	Exceptions	Submit	Related Forms	Attachments	Review*	COGCC COAs & Comments*	<b>Status &amp; NTOs*</b>
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**CONSTRUCTION**

Date planned to commence construction:   Size of disturbed area during construction in acres:

Estimated date that interim reclamation will begin:   Size of location after interim reclamation in acres:

Estimated post-construction ground elevation:

**DRILLING PROGRAM**

Will a closed loop system be used?

Is H2S anticipated

Will salt sections be encountered during drilling?

Will salt based mud (>15,000 ppm Cl) be used?

Will oil based drilling fluids be used?

**DRILLING WASTE MANAGEMENT PROGRAM**

Drilling Fluids Disposal:  Drilling Fluids Disposal Method:

Cutting Disposal:  Cuttings Disposal Method:

Other Disposal Description:

Beneficial reuse or land application plan submitted?

Reuse Facility ID:  or Document Number:

Centralized E&P Waste Management Facility ID, if applicable:



# Construction, Drilling & Waste - NEW Form 2A

## 1 CONSTRUCTION

Size of disturbed area during construction, in acres:

Size of Location after interim reclamation, in acres:

Estimated post-construction ground elevation:

## 5 DRILLING PROGRAM

Will a closed-loop drilling system be used?

Is H2S gas reasonably expected to be encountered during drilling operations at concentrations greater than or equal to 100 ppm? If YES, attach H2S Drilling Plan.

Will salt sections be encountered during drilling?

Will salt-based (>15,000 Cl) drilling fluids be used?

Will oil-based drilling fluids be used?

## 11 DRILLING WASTE MANAGEMENT PROGRAM

Drilling Fluids Disposal:  Drilling Fluids Disposal Method:

Cutting Disposal:  Cuttings Disposal Method:

Other Disposal Description:

Beneficial reuse or land application plan submitted?

Reuse Facility ID:  or Document Number:

Centralized E&P Waste Management Facility ID, if applicable:





# *Construction, Drilling & Waste - Form 2A*

- **Changes:**
  - **Construction: (Dates Removed)**
    - ◆ Date planned to commence construction
    - ◆ Estimated date that interim reclamation will begin



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# Land Use, Plants, & Soils - Form 2A

**CURRENT LAND USE**  
Current Land Use: check all that apply per Rule 304.b.(9).

1

2 Crop Land:  3 Irrigated  4 Non-Irrigated  5 Conservation Resource Program (CRP)

6 Non-Crop Land:  7 Rangeland  8 Forestry  9 Recreation  10 Other

11 Subdivided:  12 Industrial  13 Commercial  14 Residential

Describe the current land use:

Describe the Relevant Local Government's Land Use or zoning designation:

Describe any applicable Federal land use designation:

**FUTURE LAND USE**  
Final Land Use: check all that apply per Rule 304.b.(9).

18

19 Crop Land:  20 Irrigated  21 Non-Irrigated  22 Conservation Resource Program (CRP)

23 Non-Crop Land:  24 Rangeland  25 Forestry  26 Recreation  27 Other

28 Subdivided:  29 Industrial  30 Commercial  31 Residential

# Land Use, Plants, & Soils - Form 2A

## REFERENCE AREA INFORMATION

32

If Final Land Use includes Non-Crop Land (as checked above), the following information is required:

Describe landowner's designated final land use(s)

33

Reference Area Latitude:

34

Reference Area Long:

35

36

Provide a list of plant communities and dominant vegetation found in the Reference Area:

Plant Community:	Dominant vegetation:
37	38

Add Remove

Are noxious weeds present:

39

# *Land Use, Plants, & Soils - Form 2A*

- Reference Area
  - Reference Area is used for final reclamation and should have similar characteristics of the Oil and Gas Location including:
    - ◆ Plant Community
    - ◆ Topography and Slope
    - ◆ Aspect
    - ◆ Soils
  - Reference Areas should not include areas having been previously disturbed by oil and gas activity.



# *Land Use, Plants, & Soils - Form 2A*

- 37 - Plant Community

- Plant community is the collection of plant species within Oil and Gas Location.

From the drop down, choose the following that best fits the plant community of the area.

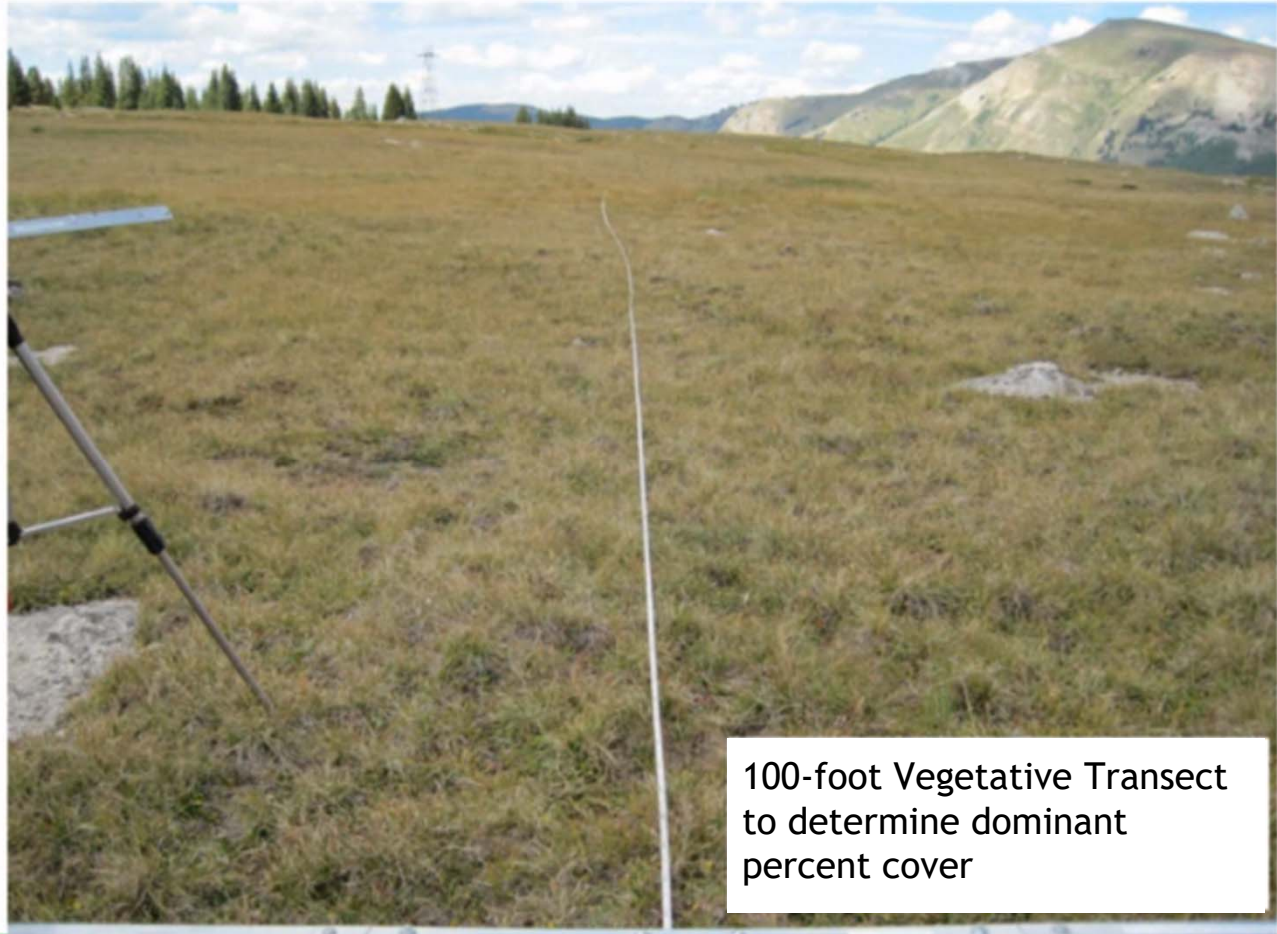
- Disturbed Grassland
- Native Grassland
- Shrub Land
- Plains Riparian
- Mountain Riparian
- Forest
- Wetlands
- Alpine



# *Land Use, Plants, & Soils - Form 2A*

- 38 - Dominant Vegetation
  - Provide the dominant vegetation species. Vegetation assessment must be completed at the proper time of the year.
  - Vegetative assessment should be quantitative and representative of the Reference Area.

# *Land Use, Plants, & Soils - Form 2A*





# Land Use, Plants, & Soils - Form 2A

40

## SOILS

List all soil map units that occur within the proposed location. Attach the National Resource Conservation Service (NRCS) report showing the "Map Unit Description" listing the typical vertical soil profile(s). This data is to be used when segregating topsoil.

The required information can be obtained from the NRCS website at <https://www.nrcs.usda.gov/wps/portal/nrcs/surveylist/soils/survey/state/> or from the COGCC website GIS Online map page. Instructions are provided within the COGCC website help section.

NRCS Map Unit Name:

NRCS Map Unit Name:

NRCS Map Unit Name:

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# Equipment & Flowlines - Form 2A

1

## SITE EQUIPMENT

Indicate the number and type of major equipment components planned for use on this Oil and Gas Location.

- |  |  |   |   |   |   |
|--|--|---|---|---|---|
| Wells <input type="checkbox"/> 2                 | Oil Tanks <input type="checkbox"/> 3             | Condensate Tanks <input type="checkbox"/> 4     | Water Tanks <input type="checkbox"/> 5      | Buried Produced Water Vaults <input type="checkbox"/> 6 |   |
| Drilling Pits <input type="checkbox"/> 7         | Production <input type="checkbox"/> 8            | Special Purpose <input type="checkbox"/> 9      | Multi-Well Pits <input type="checkbox"/> 10 | Modular Large Volume Tanks <input type="checkbox"/> 11  |   |
| Pump Jacks <input type="checkbox"/> 12           | Separators <input type="checkbox"/> 13           | Injection Pumps <input type="checkbox"/> 14     | Heater-Treaters <input type="checkbox"/> 15 | Gas Compressors <input type="checkbox"/> 16             | Meter/Sales Building <input type="checkbox"/> 17  |
| Gas or Diesel Motors <input type="checkbox"/> 18 | Electric Motors <input type="checkbox"/> 19      | Electric Generators <input type="checkbox"/> 20 | Fuel Tanks <input type="checkbox"/> 21      | LACT Unit <input type="checkbox"/> 22                   | Pigging Station <input type="checkbox"/> 23       |
| Dehydrator Units <input type="checkbox"/> 24     | Vapor Recovery Units <input type="checkbox"/> 25 | VOC Combustors <input type="checkbox"/> 26      | Flares <input type="checkbox"/> 27          | Enclosed Combustion Devices <input type="checkbox"/> 28 | Vapor Recovery Towers <input type="checkbox"/> 29 |

30

## OTHER PERMANENT EQUIPMENT

Permanent Equipment Type	Number
<input type="text" value="31"/>	<input type="text" value="32"/>



# Equipment & Flowlines - Form 2A

33

## OTHER TEMPORARY EQUIPMENT

Temporary Equipment Type	Number
<input type="text" value="34"/>	<input type="text" value="35"/>

## 36 FLOWLINE DESCRIPTION

Per Rule 304.b.(6), provide a description of all onsite and off-location oil, gas, and/or water flowlines.

37



# Equipment & Flowlines - Form 2A

Form 2A Checklist Version: December 21, 2020			
Equipment & Flowlines Tab			
Ref #	Form 2A Field	What is this?	How do you get it right?
31	Permanent Equipment Type	The name of the other piece of equipment planned for the proposed oil and gas location.	1 - If there is a permanent planned piece of equipment not already listed in the SITE EQUIPMENT LIST section, add the name here. 2 - Planned temporary equipment should not be listed in this section.
32	Number	The number of the piece of the equipment planned for this oil and gas location.	1 - This should be the total count of existing and proposed new other equipment types. 2 - The count should match what is shown on the Location and Layout Drawings.
33	OTHER TEMPORARY EQUIPMENT	For temporary equipment not listed previously, add a row and provide the name of the equipment and number of that equipment planned for the proposed oil and gas location.	
34	Temporary Equipment Type	The name of the other piece of temporary equipment planned for the proposed oil and gas location.	1 - If there is a temporary planned piece of equipment not already listed in the SITE EQUIPMENT LIST section, add the name here. 2 - Temporary equipment is any equipment that will be placed on the oil and gas location and then will likely be removed within the first 12 months of production.
		The number of the piece of the	1 - This should be the total count of existing and



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# Submit tab - Form 2A

## Form 2A: Submit Tab – No changes

**OPERATOR COMMENTS AND SUBMITTAL**

Comments:

I hereby certify all statements made in this form are, to the best of my knowledge, true, correct, and complete.

Submitter's Name and Email are the same as CONTACT Name and Email?

Print Name:  Title:

Email:



# Submit tab - Checklist

Form 2A Checklist Version: December 21, 2020

## Submit Tab

Ref #	Form 2A Field	What is this?	How do you get it right?
1	Comments	Text box for Operator Comments.	<p>1 - 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!</p> <p>2 - COGCC Guidance and Instructions require certain information to be provided in this comment box.</p> <p>3 - For Amended Form 2As, enter comments indicating what is being changed (amended) on the Location that requires the submittal of the Form 2A.</p> <p>4 - For Refile Form 2As, enter all applicable from the following:</p> <p>a - No changes have been made from the previously approved Form 2A.</p> <p>b - This location has not been built.</p> <p>c - This location has been built.</p>
2	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.	<p>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.</p> <p>2 - The eForm system will autopopulate the information for you.</p>
3	Print Name	This is the name of the person who is submitting the form.	<p>1 - This information is required.</p> <p>2 - The person submitting the form must be a designated agent per a valid Form 1A.</p> <p>3 - This agent may be an employee of the Operating Company (or parent company) or a consultant.</p>
4	Title	This is the title of the person who is submitting the form.	
5	Email	This is the email of the person who is submitting the form.	







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