

FORM
2A

Rev
01/21

State of Colorado
Oil and Gas Conservation Commission

1120 Lincoln Street, Suite 801, Denver, Colorado 80203
Phone: (303) 894-2100 Fax: (303) 894-2109



Document Number:

402709896

(SUBMITTED)

Date Received:

Oil and Gas Location Assessment

This Oil and Gas Location Assessment is to be submitted to the COGCC for approval prior to any ground disturbance activity associated with oil and gas operations. Approval of this Oil and Gas Location Assessment will allow for the construction of the below specified Location; however, it does not supersede any land use rules applied by the local land use authority. Please see the COGCC website at <https://cogcc.state.co.us/> for all accompanying information pertinent this Oil and Gas Location Assessment.

Location ID:

316441

Expiration Date:

☐ New Location ☐ Refile ☒ Amend Existing Location # 316441

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

Docket Number	OGDP ID	OGDP Name
211200238		

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

<No existing OGDP number provided>

CONSULTATION

- ☐ This location is included in a Comprehensive Area Plan (CAP). CAP ID # _____
- ☐ This Location or its associated new access road, utility, or Pipeline corridor meets Rule 309.e.(2).A, B, or C.
- ☐ This Location is within 2,640 feet of a GUDI or Type III Well per Rule 411.b.(4).
- ☐ This Location includes a Rule 309.e.(2).E variance request.
- ☐ This location includes a Rule 309.f.(1).A.ii. variance request.

Operator

Operator Number: 96850

Name: TEP ROCKY MOUNTAIN LLC

Address: 1058 COUNTY ROAD 215

City: PARACHUTE State: CO Zip: 81635

Contact Information

Name: Jeff Kirtland

Phone: (970) 263-2736

Fax: ()

email: jkirtland@terraep.com

FINANCIAL ASSURANCE

- ☐ Plugging and Abandonment Bond Surety ID (Rule 706): _____
- ☐ Gas Facility Surety ID (Rule 711): _____
- ☐ Waste Management Surety ID (Rule 704): _____

LOCATION IDENTIFICATION

Name: FEDERAL Number: 299-23-3

Provide the location description and the latitude and longitude of a single point near the center of the Working Pad Surface as a reference for this Location.

QuarterQuarter: NWSW Section: 23 Township: 2S Range: 99W Meridian: 6 Ground Elevation: 7083

Latitude: 39.860053 Longitude: -108.478714

GPS Quality Value: 2.4 Type of GPS Quality Value: PDOP Date of Measurement: 06/16/2021

RELATED REMOTE LOCATIONS

(Enter as many Related Locations as necessary. Enter the Form 2A document # only if there is no established COGCC Location ID#)

This proposed Oil and Gas Location is: LOCATION ID # FORM 2A DOC #

RELEVANT LOCAL GOVERNMENT SITING INFORMATION

County: RIO BLANCO Municipality: N/A

Per § 34-60-106 (1)(f)(I)(A), the following questions pertain to the "Relevant Local Government approval of the siting of the proposed oil and gas location."

This proposed Oil and Gas Location is in an area designated as one of State interest and subject to the requirements of § 24-65.1-108, C.R.S. No

Does the Relevant Local Government regulate the siting of Oil and Gas Locations, with respect to this location? Yes

A siting permit application has been submitted to the Relevant Local Government for this proposed Oil and Gas Location: Yes

Date Relevant Local Government permit application submitted: 09/01/2020

Current status or disposition of the Relevant Local Government permit application for this proposed Oil and Gas Location: Approved

Status/disposition date: 09/04/2020

If Relevant Local Government permit has been approved or denied, attach final decision document(s).

Provide the contact information for the Relevant Local Government point of contact for the local permit associated with this proposed Oil and Gas Location:

Contact Name: Edward Smercina

Contact Phone: 970-878-9586

Contact Email: edward.smercina@rbc.us

PROXIMATE LOCAL GOVERNMENT INFORMATION

For every Proximate Local Government (PLG) associated with this proposed Oil and Gas Location, provide the PLG's point of contact and their contact information.

< No row provided >

FEDERAL PERMIT INFORMATION

A Federal drilling permit (or related siting application) has been submitted for this proposed Oil and Gas Location: Yes

Date submitted: 08/15/2018

Current status or disposition of the Federal drilling permit (or related siting application) for this proposed Oil and Gas Location: Approved

Status/disposition Date: 09/30/2020

If Federal agency permit has been approved or denied, attach the final decision document(s).

Provide the contact information of the Federal point of contact for the Federal permit associated with this proposed Oil and Gas Location.

Contact Name: Stacey Burke

Contact Phone: 970-878-3827

Contact Email: sburke@blm.gov

Field Office: White River Field Office, Meeker Colorado

Additional explanation of local and/or federal process:

TEP Rocky Mountain LLC was granted a right-of-way, COC-76535 on 9/30/2020, granting the right to construct, operate and maintain the Federal 299-23-3 disposal well pad on public lands T2S-R99W, Sec. 23, NW4SW4. A Federal APD for the proposed injection well, Federal RG 912-23-299D (previously known as the Federal RG 943-27-299D) was approved on 10/22/2020.

This injection well project was reviewed by the Bureau of Land Management (BLM) in the Environmental Assessment DOI-BLM-CO-N050-2020-0046 EA for the Lower Wagonroad Ridge Master Development Plan following analysis under the National Environmental Policy Act (NEPA) in accordance with 42 U.S.C. § 4321 et seq.

RELEVANT LOCAL GOVERNMENT OR FEDERAL PRE-APPLICATION CONSULTATION

Complete this section for any pre-application consultation related to this proposed Oil and Gas Location that occurred prior to the submission of this Form 2A. If a pre-application Formal Consultation Process occurred, attach a Consultation Summary.

Did a pre-application Formal Consultation Process occur with the Relevant Local Government per Rule 301.f.(3)? No

Date of local government consultation: _____

Did a pre-application Formal Consultation Process occur with the Federal land manager per Rule 301.f.(3)? Yes

Date of federal consultation: 03/03/2020

Was an ALA that satisfies Rule 304.b.(2).C (or substantially equivalent information per Rule 304.e) developed during a federal or local government permit application process? If yes, attach the ALA to the Form 2A. No

ALA APPLICABILITY AND CRITERIA

Complete this section for any pre-application consultation related to this proposed Oil and Gas Location that occurred prior to the submission of this Form 2A. If a pre-application Formal Consultation Process occurred, attach a Consultation Summary.

Does the proposed Oil and Gas Location meet any of the criteria listed in Rule 304.b.(2)B? No

If YES, indicate by checking the box for every Rule 304.b.(2).B criterion met by this proposed Location, and attach an ALA. See Rule 304.b.(2).B.i-x for full text of criteria.

- | | |
|---|--|
| <input type="checkbox"/> i. WPS < 2,000 feet from RBU/HOBU | <input type="checkbox"/> vi.aa. WPS within a surface water supply area |
| <input type="checkbox"/> ii. WPS < 2,000 feet from School/Child Care Center | <input type="checkbox"/> vi.bb. WPS < 2,640 feet from Type III or GUDI well |
| <input type="checkbox"/> iii. WPS < 1,500 feet from DOAA | <input type="checkbox"/> vii. WPS within/immediately upgradient of wetland/riparian corridor |
| <input type="checkbox"/> iv. WPS < 2,000 feet from jurisdictional boundary and PLG objects/requests ALA | <input type="checkbox"/> viii. WPS within HPH and CPW did not waive |
| <input type="checkbox"/> v. WPS within a Floodplain | <input type="checkbox"/> ix. Operator using Surface bond |
| | <input type="checkbox"/> x. WPS < 2,000 feet from RBU/HOBU/School within a DIC |

Is the proposed Oil and Gas Location within the exterior boundaries of the Southern Ute Indian Reservation, and the Tribe objects to the Location or requests an ALA? If YES, attach an ALA to the Form 2A. No

Operator requests the Director waive the ALA requirement per Rule 304.b.(2).A.i: ☐

Provide an explanation for the waiver request, and attach supporting information (if necessary).

ALTERNATIVE LOCATIONS DASHBOARD

List every alternative location reviewed and included in the ALA. Provide a latitude and longitude for the approximate center of the alternative location, all Rule 304.b.(2).B Criteria met, if a variance would be required to permit the location, and a brief comment on the key points of the alternative location.

304.b.(2).B.i-x Criteria Met:

< No row provided >

SURFACE & MINERAL OWNERSHIP

Surface Owner Info:

Name: Bureau of Land Management

Phone: 970-878-3800

Address: White River Field Office

Fax:

Address: 220 East Market Street

Email: sburke@blm.gov

City: Meeker State: CO Zip: 81641

Surface Owner at this Oil and Gas Location: ☐ Fee ☐ State ☒ Federal ☐ Indian

Check only one: ☐ The Operator/Applicant is the surface owner.

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

☐ 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.

☐ 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: N/A

Surety ID Number:

Mineral Owner beneath this Oil and Gas Location: ☐ Fee ☐ State ☒ Federal ☐ Indian

Minerals beneath this Oil and Gas Location will be developed from or produced to this Oil and Gas Location: No

Lease description if necessary: BLM ROW COC-76535 - NWSW, Sec 23, T2S-R99W

SITE EQUIPMENT LIST

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

Wells	1	Oil Tanks	0	Condensate Tanks	0	Water Tanks	0	Buried Produced Water Vaults	0
Drilling Pits	0	Production Pits	0	Special Purpose Pits	0	Multi-Well Pits	0	Modular Large Volume Tank	0
Pump Jacks	0	Separators	0	Injection Pumps	0	Heater-Treaters	0	Gas Compressors	0
Gas or Diesel Motors	0	Electric Motors	0	Electric Generators	0	Fuel Tanks	0	LACT Unit	0
Dehydrator Units	0	Vapor Recovery Unit	0	VOC Combustor	0	Flare	0	Enclosed Combustion Devices	0
Meter/Sales Building	0	Pigging Station	0	Vapor Recovery Towers	0				

OTHER PERMANENT EQUIPMENT

Permanent Equipment Type	Number
Cataflow (Heat Trace System)	1
Solar Panels / Battery Package	1
Propane Tank - 500 gal	1

OTHER TEMPORARY EQUIPMENT

Temporary Equipment Type	Number
Enclosed Combustion Device - FB & C	1
Low Pressure 500 bbl P-Tank - FB	1
Enclosed 500 bbl Water Tanks - FB	3
Transfer Pump - Completions	1
High Pressure 4 Phase Separator - F	1
Completion Pumps - Completions	8
Produced Water Frac Tanks - 450 bbl	30
Blender - Completions	1
Water Pump - FB	1
Sand Silos - Completions	3

GAS GATHERING COMMITMENT

Operator commits to connecting to a gathering system by the Commencement of Production Operations? No

If the answer is NO, a Gas Capture Plan consistent with the requirements of Rule 903.e MUST be attached on the Plans tab.

FLOWLINE DESCRIPTION

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

Water will be supplied to this pad via an existing 3" Flexsteel (3,000 psi) water injection pipeline that ties into an existing 6" Flexsteel water pipeline adjacent to County Road 68. No new pipelines will be required for development or operation of the new injection well on this location.

Well completion operations will be conducted on-location following completion of drilling operations and following removal of all rig equipment. Produced water will be transported from the Mautz Ranch to the Federal 299-23-3 well pad via the existing 6" FlexSteel water pipeline and 3" FlexSteel water pipeline. One temporary 4" surface steel frac line will be utilized on pad for completion operations.

CULTURAL DISTANCE AND DIRECTION

Provide the distance and direction to the nearest cultural feature as measured from the edge of the Working Pad Surface.

	Distance		Direction	Rule 604.b Conditions Satisfied (check all that apply):			Details of Condition(s)	604.b. (4)
				604.b. (1)	604.b. (2)	604.b. (3)		
Building:	5280	Feet	E					
Residential Building Unit (RBU):	4158	Feet	NW	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>
High Occupancy Building Unit(HOBU)	5280	Feet	NW	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>
Designated Outside Activity Area:	5280	Feet	NE					
Public Road:	1201	Feet	SE					
Above Ground Utility:	4113	Feet	NW					
Railroad:	5280	Feet	NW					
Property Line:	2644	Feet	SE					
School Facility:	5280	Feet	NW					
Child Care Center:	5280	Feet	NW					
Disproportionately Impacted (DI) Community:	5280	Feet	SE					
RBU, HOBU, or School Facility within a DI Community.	5280	Feet	NW	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>

RULE 604.a.(2). EXCEPTION LOCATION REQUEST

☐

Operator requests an Exception Location Request from Rule 604.a.(2) [well is less than 150 feet from a property line]. Exception Location Request Letter and Waiver signed by offset Surface Owner(s) must be attached.

CULTURAL FEATURE INFORMATION REQUIRED BY RULE 304.b.(3).B.

Provide the number of each Cultural feature identified within the following distances, as measured from the Working Pad Surface:

	0-500 feet	501-1,000 feet	1,001-2,000 feet
Building Units	0	0	0
Residential Building Units	0	0	0
High Occupancy Building Units	0	0	0
School Properties	0	0	0
School Facilities	0	0	0
Designated Outside Activity Areas	0	0	0

CONSTRUCTION

Size of disturbed area during construction in acres: 4.18

Size of location after interim reclamation in acres: 0.70

Estimated post-construction ground elevation: 7083

DRILLING PROGRAM

Will a closed-loop drilling system be used? Yes

Is H2S gas reasonably expected to be encountered during drilling operations at concentrations greater than or equal to 100 ppm? No If YES, attach H2S Drilling Operations Plan.

Will salt sections be encountered during drilling: No

Will salt based (>15,000 ppm Cl) drilling fluids be used? No

Will oil based drilling fluids be used? No

DRILLING WASTE MANAGEMENT PROGRAM

Drilling Fluids Disposal: OFFSITE

Drilling Fluids Disposal Method: Recycle/reuse

Cutting Disposal: ONSITE

Cuttings Disposal Method: Other

Other Disposal Description:

Drill cuttings will be managed within a bermed cuttings management area in the northeast corner of the pad or hauled to a third party disposal facility.

Beneficial reuse or land application plan submitted? No

Reuse Facility ID: or Document Number:

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

CURRENT LAND USE

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

Crop Land: ☐ Irrigated ☐ Non-Irrigated ☐ Conservation Resource Program (CRP)

Non-Crop Land: ☒ Rangeland ☐ Forestry ☒ Recreation ☐ Other

Subdivided: ☐ Industrial ☐ Commercial ☐ Residential

Describe the current land use:

The property in the immediate vicinity of this proposed Oil and Gas Location is primarily used for cattle grazing but is also periodically used for recreation, including hunting. There is also existing Oil & Gas Operations, including two existing injection wells within a half mile of this proposed location. The surface owner does not intend to modify the current land use. Therefore, the final land use designation will remain as rangeland / recreational.

Describe the Relevant Local Government's land use or zoning designation:

Rio Blanco County zoning data has the area classified as agricultural.

Describe any applicable Federal land use designation:

The Federal land use designation is currently rangeland / recreational. The property in the immediate vicinity of the Oil and Gas Location is primarily used for cattle grazing but is also periodically used for recreation, including hunting. The surface owner does not intend to modify the current land use.

FINAL LAND USE

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

Crop Land: ☐ Irrigated ☐ Non-Irrigated ☐ Conservation Resource Program (CRP)

Non-Crop Land: ☒ Rangeland ☐ Forestry ☒ Recreation ☐ Other

Subdivided: ☐ Industrial ☐ Commercial ☐ Residential

REFERENCE AREA INFORMATION

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

Describe landowner's designated final land use(s):

The Federal land use designation is currently rangeland / recreational. The property in the immediate vicinity of the Oil and Gas Location is primarily used for cattle grazing but is also periodically used for recreation, including hunting. The surface owner does not intend to modify the current land use.

Reference Area Latitude: 39.860059

Reference Area Latitude: -108.475692

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

Plant Community	Dominant vegetation
Shrub Land	Pinyon Pine/Utah Juniper Woodlands
Shrub Land	Wyoming Sagebrush

Noxious weeds present: Yes

SOILS

List all soil map units that occur within the maximum extent of the proposed Oil and Gas 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: 64-Piceance fine sandy loam, 5 to 15 percent slopes

NRCS Map Unit Name: 70-Redcreek-Rentsac complex, 5 to 30 percent slopes

NRCS Map Unit Name: 73-Rentsac channery loam, 5 to 50 percent slopes

GROUNDWATER AND WATER WELL INFORMATION

Provide the distance and direction, as measured from the Working Pad Surface, to the nearest:

water well: 4135 Feet NW

Spring or Seep: 2759 Feet SW

Estimated depth to shallowest groundwater that can be encountered at this Oil and Gas Location: 100 Feet

Basis for estimated depth to and description of shallowest groundwater occurrence:

The nearest water well was drilled to 110 feet with a well yield of 12 gallons per minute and static water level of 80 feet and permitted as a livestock water well. Based on the static water level of this well and subsurface geology in vicinity of proposed facility, shallow groundwater does not occur at the site.

Dominant upland vegetation indicates pervasive dry antecedent soil conditions conducive with thin soil horizons overlying shallow bedrock not in hydraulic connection with the local groundwater flow system. Evidence of springs or seeps in project vicinity were not detected during site reconnaissance and vegetation assessment conducted for the Biological Survey Report. Hydrogeological indicators do not support the occurrence of shallow groundwater at the site, depth to groundwater is probably greater than 100 feet in the underlying bedrock. Potential impact to groundwater resources at the site is deemed to be low based on the site hydrogeology. SAD - 7/12/21

SURFACE WATER AND WETLANDS

Provide the distance and direction to the nearest downgradient surface Waters of the State, as defined 1793 Feet W in the 100-Series Rules, measured from the Working Pad Surface:

If less than 2,640 feet, is the Waters of the State identified above within 15 stream miles upstream of a Public Water System intake? No

Provide the distance and direction to the nearest downgradient wetland, measured from the Working Pad Surface: 5280 Feet N

Provide a description of the nearest downgradient surface Waters of the State:

The nearest downgradient surface waters of the state is located 1,793 feet west of the proposed oil and gas location. This intermittent drainage flows to Stakes Springs Draw eventually discharging to perennial Yellow Creek.

If the proposed Oil and Gas Location is within a Rule 411.a Surface Water Supply Area buffer zone, select the buffer zone type: _____

Public Water System Administrator - Contact Name _____ Email _____

If the proposed Oil and Gas Location is within a Rule 411.b GUDI/Type III buffer zone, select the buffer zone type: _____

Public Water System Administrator - Contact Name _____ Email _____

Is a U.S. Army Corps of Engineers Section 404 permit required for the proposed Oil and Gas Location, access road, or associated pipeline corridor? No

If a U.S. Army Corps of Engineers Section 404 permit is required, provide the permit status, and permit number if available:

Is the Location within a Floodplain? No Floodplain Data Sources Reviewed (check all that apply):

☒ Federal (FEMA) ☐ State ☒ County ☐ Local

☐ Other

Does this proposed Oil and Gas Location lie within a Sensitive Area for water resources, as defined in the 100-Series Rules? No

CONSULTATION, WAIVERS, AND EXCEPTIONS

When Rule 309.e.(2) Consultation must occur, check all that apply:

- ☐ This location is included in a Wildlife Mitigation Plan
- ☐ This Oil and Gas Location or associated new access road, utility, or pipeline corridor falls within federally designated critical habitat or an area with a known occurrence for a federal or Colorado threatened or endangered species. Provide description in Comments section of Submit tab.
- ☐ This Oil and Gas Location or associated new access road, utility, or pipeline corridor falls within an existing conservation easement established wholly or partly for wildlife habitat. Provide description in Comments section of Submit tab.

When Rule 309.e.(3) Consultation is not required, check all that apply:

- ☐ This Oil and Gas Location has been included in a previously approved, applicable Wildlife Protection Plan.
- ☐ This Oil and Gas Location has been included in a previously approved, applicable Wildlife Mitigation Plan.
- ☐ This Oil and Gas Location has been included in a previously approved, applicable conservation plan.

Pre-application Consultation:

- ☐ A pre-application consultation with CPW, regarding this Oil and Gas Location, occurred _____ on: _____

CPW Waivers and Exceptions (check all that apply and attach all CPW waivers to this Form 2A):

- ☐ The applicant has obtained a Rule 304.b.(2).B.viii CPW waiver for the requirement to complete an ALA.
- ☐ The applicant has obtained a Rule 309.e.(2).G CPW waiver and consultation is not required.
- ☐ The applicant has obtained a Rule 309.e.(5).D.i CPW waiver and is requesting an exception from Rule 1202.c.(1).R.
- ☐ The applicant has obtained a Rule 309.e.(5).D.ii CPW waiver and is requesting an exception from Rule 1202.c.(1).S.
- ☐ The applicant has obtained a Rule 309.e.(5).D.iii CPW waiver of Rule 1202.c.(1).T.
- ☐ The applicant has obtained a Rule 309.e.(5).D.iv CPW waiver and is requesting an exception from Rule 1202.c.(1) in accordance with an approved CAP.
- ☐ The applicant has obtained a Rule 1202.a CPW waiver.
- ☐ The applicant has obtained a Rule 1202.b CPW waiver.
- ☐ In accordance with Rule 1203.a.(3), the applicant requests an exception from compensatory mitigation Rule(s): _____

HIGH PRIORITY HABITAT AND COMPENSATORY MITIGATION

This Oil and Gas Location, associated access roads, utility, or Pipeline corridor falls wholly or partially within the following High Priority Habitats (Note: dropdown options are abbreviated - see Rule 1202 for full rule text):

< No row provided >

The following questions are for Oil and Gas Locations that cause the density to exceed one Oil and Gas Location per square mile in Rule 1202.d High Priority Habitat:

Direct Impacts:Is Compensatory Mitigation required per Rule 1203.a for this Oil and Gas Location? NoIs a Compensatory Mitigation Plan proposed to address direct impacts for this Oil and Gas Location? NoHave all Compensatory Mitigation Plans been approved for this Location? No

If not, what is the current status of each Plan?

NA

Is a Compensatory Mitigation Fee proposed for this Oil and Gas Location? No

Direct impact habitat mitigation fee amount: \$ _____

Indirect Impacts:Is Compensatory Mitigation required per Rule 1203.d for this Oil and Gas Location? NoIs a Compensatory Mitigation Plan proposed to address indirect impacts for this Oil and Gas Location? NoHave all Compensatory Mitigation Plans been approved for this Location? No

If not, what is the current status of each Plan?

NA

Is a Compensatory Mitigation Fee proposed for this Oil and Gas Location? No

Indirect impact habitat mitigation fee amount: \$ _____

Operator Proposed Wildlife BMPs

No	Target Species	BMP Type	Description
1	BLACK BEAR	Wildlife - Avoidance	TEP will install and utilize bear proof dumpsters and trash receptacles for food- related trash at all facilities that generate trash.
2	BLACK BEAR	Wildlife - Avoidance	The operator agrees to report bear conflicts immediately to CPW staff.
3	MULE DEER & ELK	Wildlife - Minimization	TEP will preclude from the use of aggressive CPW-identified non-native grasses and shrubs in mule deer and elk habitat and will reclaim the site using CPW-identified native shrubs, grasses, and forbs appropriate to the ecological site disturbed.
4	MULE DEER & ELK	Wildlife - Minimization	Certified weed-free native seed in seed mixes, except for non-native plants that benefit wildlife will be used. TEP will use certified, weed free grass hay, straw, hay or other mulch materials used for the reseeding and reclamation of disturbed areas.
5	MULE DEER & ELK	Wildlife - Minimization	To minimize the potential for wildlife related traffic accidents, TEP has implemented speed restrictions for all lease roads, and requires that all TEP employees and contractors adhere to these posted speed restrictions.
6	MULE DEER & ELK	Wildlife - Minimization	TEP will stage a spill response trailer near the Mautz Ranch Multi-Well Pit, which will have supplies available for immediate response to spills or releases during operation of the proposed injection well.
7	RAPTORS	Wildlife - Minimization	To minimize the potential for impacts to migratory birds, a biological survey will be conducted prior to operations (construction, drilling, completions) which are scheduled to begin during the nesting season (February 1 through August 1). TEP will adhere to the BLM COAs for active nest sites, which have been applied to the APD. Please see the BLM APD/ROW included as an attachment to the Form 2A.
8	MULE DEER & ELK	Wildlife - Minimization	TEP will educate all employees and contractors on wildlife conservation practices.

9	MULE DEER & ELK	Wildlife - Minimization	TEP will utilize existing injection facilities at the Mautz Ranch Multi-Well Pit and the existing water injection pipeline system eliminating the need for tanks, pumps, and other facilities on the Federal 299-23-3 pad and minimizing impacts to wildlife to the greatest extent possible.
10	MULE DEER & ELK	Wildlife - Minimization	TEP will minimize direct impacts to wildlife habitat by utilizing existing infrastructure and disturbance corridors whenever possible.
11	MULE DEER & ELK	Wildlife - Minimization	Well telemetry equipment will be installed to minimize site visitation through remote monitoring of production operations.

AIR QUALITY MONITORING PROGRAM

Will the Operator install and administer an air quality monitoring program at this Location? Yes

Operator Proposed BMPs

No	BMP Target	CDPHE Recommendation	COGCC Action
1	Air		
	Description	Operator will properly maintain vehicles and equipment	
	CDPHE Comment		
2	Air		
	Description	Operator will use non-emitting pneumatic controllers	
	CDPHE Comment		
3	Air		
	Description	Pipelines: Operator will use pipelines to transport water for hydraulic fracturing to and from location	
	CDPHE Comment		
4	Water		
	Description	Documentation / stormwater management plan: If it is infeasible to install or repair a control measure immediately after discovering a deficiency, operator will document and keep on record in the stormwater management plan: (a) a description of why it is infeasible to initiate the installation or repair immediately; and (b) a schedule for installing or repairing the control measure and returning it to an effective operating condition as soon as possible.	
	CDPHE Comment		
5	Water		
	Description	Dust suppression: Operator will not use produced water or other process fluids for dust suppression	
	CDPHE Comment		
6	Water		
	Description	Operator will recycle or beneficially reuse flowback and produced water for use downhole	
	CDPHE Comment		
7	Water		
	Description	Outfall locations: Outlet protection should be used when a conveyance discharges onto a disturbed area where there is potential for accelerated erosion due to concentrated flow. Outlet protection should be provided where the velocity at the culvert outlet exceeds the maximum permissible velocity of the material in the receiving channel.	
	CDPHE Comment		
8	Water		
	Description	Stormwater inspections: Operator will conduct stormwater inspections immediately after storm event	
	CDPHE Comment		

9	Water		
	Description	Stormwater inspections: Operator will conduct weekly stormwater inspections during normal operations	
	CDPHE Comment		
10	Waste		
	Description	Operator will properly characterize and dispose of all waste (i.e. the specific landfill/waste disposal location allows for acceptance of the waste stream)	
	CDPHE Comment		
11	PFAS		
	Description	If PFAS-containing foam is used at a location: operator will perform appropriate soil and water sampling to determine whether additional characterization is necessary and inform the need for and extent of interim or permanent remedial actions	
	CDPHE Comment		
12	PFAS		
	Description	If PFAS-containing foam is used at a location: operator will properly capture and dispose of PFAS-contaminated soil and fire and flush water	
	CDPHE Comment		
13	PFAS		
	Description	If PFAS-containing foam is used at a location: operator will properly characterize the site to determine the level, nature and extent of contamination	
	CDPHE Comment		

PLANS

Total Plans Uploaded: 12

- ☐ (1) Emergency Spill Response Program consistent with the requirements of Rules 411.a.(4).B, 411.b.(5).B, & 602.j
- ☐ (2) Noise Mitigation Plan consistent with the requirements of Rule 423.a
- ☐ (3) Light Mitigation Plan consistent with the requirements of Rule 424.a
- ☐ (4) Odor Mitigation Plan consistent with the requirements of Rule 426.a
- ☒ (5) Dust Mitigation Plan consistent with the requirements of Rule 427.a
- ☐ (6) Transportation Plan
- ☒ (7) Operations Safety Management Program consistent with the requirements of Rule 602.d
- ☒ (8) Emergency Response Plan consistent with the requirements of Rule 602.j
- ☐ (9) Flood Shut-In Plan consistent with the requirements of Rule 421.b.(1)
- ☐ (10) Hydrogen Sulfide Drilling Operations Plan consistent with the requirements of Rule 612.d
- ☒ (11) Waste Management Plan consistent with the requirements of Rule 905.a.(4)
- ☒ (12) Gas Capture Plan consistent with the requirements of Rule 903.e
- ☒ (13) Fluid Leak Detection Plan
- ☒ (14) Topsoil Protection Plan consistent with the requirements of Rule 1002.c
- ☒ (15) Stormwater Management Plan consistent with the requirements of Rule 1002.f
- ☒ (16) Interim Reclamation Plan consistent with the requirements of Rule 1003
- ☒ (17) Wildlife Plan consistent with the requirements of Rule 1201
- ☒ (18) Water Plan
- ☒ (19) Cumulative Impacts Plan
- ☐

(20) Community Outreach Plan

☐ (21) Geologic Hazard Plan

VARIANCE REQUESTS

Check all that apply:

☐ This proposed Oil and Gas Location requires the approval of a Rule 502.a variance from COGCC Rule or Commission

Order number: _____

ALL exceptions and variances require attached Request Letter(s). Refer to applicable rule for additional required attachments (e.g. waivers, certifications, SUAs).

RULE 304.d LESSER IMPACT AREA EXEMPTION REQUESTS

Check the boxes below for all Exemptions being requested. Lesser Impact Area Exemption Request must be attached, and will include all requested exemptions.

- | | |
|--|--|
| <input type="checkbox"/> 304.b.(1). Local Government Siting Information | <input type="checkbox"/> 304.c.(1). Emergency Spill Response Program |
| <input type="checkbox"/> 304.b.(2). Alternative Location Analysis | <input checked="" type="checkbox"/> 304.c.(2). Noise Mitigation Plan |
| <input type="checkbox"/> 304.b.(3). Cultural Distances | <input checked="" type="checkbox"/> 304.c.(3). Light Mitigation Plan |
| <input type="checkbox"/> 304.b.(4). Location Pictures | <input type="checkbox"/> 304.c.(4). Odor Mitigation Plan |
| <input type="checkbox"/> 304.b.(5). Site Equipment List | <input type="checkbox"/> 304.c.(5). Dust Mitigation Plan |
| <input type="checkbox"/> 304.b.(6). Flowline Descriptions | <input type="checkbox"/> 304.c.(6). Transportation Plan |
| <input type="checkbox"/> 304.b.(7). Drawings | <input type="checkbox"/> 304.c.(7). Operations Safety Management Program |
| <input type="checkbox"/> 304.b.(8). Geographic Information System (GIS) Data | <input type="checkbox"/> 304.c.(8). Emergency Response Plan |
| <input type="checkbox"/> 304.b.(9). Land Use Description | <input type="checkbox"/> 304.c.(9). Flood Shut-In Plan |
| <input type="checkbox"/> 304.b.(10). NRCS Map Unit Description | <input type="checkbox"/> 304.c.(10). Hydrogen Sulfide Drilling Operations Plan |
| <input type="checkbox"/> 304.b.(11). Best Management Practices | <input type="checkbox"/> 304.c.(11). Waste Management Plan |
| <input type="checkbox"/> 304.b.(12). Surface Owner Information | <input checked="" type="checkbox"/> 304.c.(12). Gas Capture Plan |
| <input type="checkbox"/> 304.b.(13). Proximate Local Government | <input type="checkbox"/> 304.c.(13). Fluid Leak Detection Plan |
| <input type="checkbox"/> 304.b.(14). Wetlands | <input type="checkbox"/> 304.c.(14). Topsoil Protection Plan |
| <input type="checkbox"/> 304.b.(15). Schools and Child Care Centers | <input type="checkbox"/> 304.c.(15). Stormwater Management Plan |
| | <input type="checkbox"/> 304.c.(16). Interim Reclamation Plan |
| | <input type="checkbox"/> 304.c.(17). Wildlife Plan |
| | <input type="checkbox"/> 304.c.(18). Water Plan |
| | <input type="checkbox"/> 304.c.(19). Cumulative Impacts Plan |
| | <input type="checkbox"/> 304.c.(20). Community Outreach Plan |
| | <input type="checkbox"/> 304.c.(21). Geologic Hazard Plan |

OPERATOR COMMENTS AND SUBMITTAL

Comments

This is an existing well pad location with one plugged and abandoned well. TEP Rocky Mountain LLC (TEP) is proposing to drill, complete and operate one new Federal injection well (Federal RG 912-23-299D) from this pad location.

As described under Rule 304.b.(2).A, an Alternative Location Analysis (ALA) is only required for an Oil and Gas Location that "meets any of the criteria listed in Rule 304.b.(2).B." The Federal 299-23-3 pad does not meet any of these requirements and therefore an ALA is not required.

The following 304.c Plans are not required for this submittal:

Emergency Spill Response Program - Location not w/in 2640' of groundwater under the direct influence of a surface water well or Type III well or surface water that is 15 miles or less upstream from a PWS intake.

Odor Mitigation Plan - Location is not w/in 2000' of a BU or DOAA.

Transportation Plan - Rio Blanco County does not require the plan.

Flood Shut-in Plan - Location is not w/in a flood plain.

Hydrogen Sulfide Drilling Plan - Do not expect to encounter H2S during drilling.

Community Outreach Plan - Location is not w/in 2000' of a RBU, HOBUE, or school located w/in a DIC.

Geologic Hazard Plan - A Geologic Hazard Map and Report is attached.

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

Signed: _____ Date: _____ Email: vschoeber@terraep.com

Print Name: Vicki Schoeber Title: Regulatory Specialist

Based on the information provided herein, this Oil and Gas Location Assessment complies with COGCC Rules, applicable orders, and SB 19-181 and is hereby approved.

COGCC Approved: _____ Director of COGCC _____ Date: _____

Conditions Of Approval

All representations, stipulations and conditions of approval stated in this Form 2A for this location shall constitute representations, stipulations and conditions of approval for any and all subsequent operations on the location unless this Form 2A is modified by Sundry Notice, Form 4 or an Amended Form 2A.

COA Type

Description

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Best Management Practices

No BMP/COA Type

Description

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Attachment List

<u>Att Doc Num</u>	<u>Name</u>
402904012	SURFACE AGRMT/SURETY
402904013	FEDERAL ENVIRONMENTAL ANALYSIS
402904015	FED. DRILLING PERMIT
402904016	FED. SUNDRY NOTICE
402904017	FED. SUNDRY NOTICE
402904060	CULTURAL FEATURES MAP
402904062	LOCATION PICTURES
402904064	LOCATION DRAWING
402904068	LAYOUT DRAWING
402904069	WILDLIFE HABITAT DRAWING
402904071	PRELIMINARY PROCESS FLOW DIAGRAMS
402904072	HYDROLOGY MAP
402904074	RELATED LOCATION AND FLOWLINE MAP
402904075	DIRECTIONAL WELL PLAT
402904076	GEOLOGIC HAZARD MAP
402904077	REFERENCE AREA MAP
402904078	REFERENCE AREA PICTURES
402904098	NRCS MAP UNIT DESC
402904136	ACCESS ROAD MAP
402904141	OTHER
402904201	SENSITIVE AREA DATA
402904202	ECOLOGIC RESOURCE SURVEY
402904206	LESSER IMPACT AREA EXEMPTION REQUEST
402904273	LOCATION AND WORKING PAD GIS SHP
402904486	OTHER

Total Attach: 25 Files

General Comments

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>
		Stamp Upon Approval

Total: 0 comment(s)

Public Comments

No public comments were received on this application during the comment period.

