

**FORM  
2A**Rev  
02/20**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:

402505441

Date Received:

10/09/2020

**Oil and Gas Location Assessment**☒ New Location ☐ Refile ☐ Amend Existing Location Location#: \_\_\_\_\_

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:

**479215**

Expiration Date:

**01/13/2024**☐ This location assessment is included as part of a permit application.**CONSULTATION**

- ☐ This location is included in a Comprehensive Drilling Plan. CDP # \_\_\_\_\_
- ☒ This location is in a sensitive wildlife habitat area.
- ☐ This location is in a wildlife restricted surface occupancy area.
- ☐ This location includes a Rule 306.d.(1)A.ii. variance request.

**Operator**

Operator Number: 10456

Name: CAERUS PICEANCE LLC

Address: 1001 17TH STREET #1600

City: DENVER State: CO Zip: 80202

**Contact Information**

Name: Jason Eckman

Phone: (970) 285-2656

Fax: ( )

email: jeckman@caerusoilandgas.com

**FINANCIAL ASSURANCE**

- ☒ Plugging and Abandonment Bond Surety ID (Rule 706): 20130021 ☐ Gas Facility Surety ID (Rule 711): \_\_\_\_\_
- ☐ Waste Management Surety ID (Rule 704): \_\_\_\_\_

**LOCATION IDENTIFICATION**

Name: ELU G13-496 Central Delivery Point Number: Production Pad

County: RIO BLANCO

QuarterQuarter: SWNE Section: 13 Township: 4S Range: 96W Meridian: 6 Ground Elevation: 8078

Define a single point as a location reference for the facility location. When the location is to be used as a well site then the point shall be a well location.

Footage at surface: 1457 feet FNL from North or South section line

2433 feet FEL from East or West section line

Latitude: 39.705684 Longitude: -108.116315

GPS Quality Value: 2.4 Type of GPS Quality Value: PDOP Date of Measurement: 06/02/2020

Instrument Operator's Name: Jay Taggart

**LOCAL GOVERNMENT INFORMATION**

County: RIO BLANCO Municipality: N/A

Per § 34-60-106 (1)(f)(I)(A), the following questions pertain to the "local government with jurisdiction to approve the siting of the proposed oil and gas location."

The local government with jurisdiction is: County

Does the local government with jurisdiction regulate the siting of Oil and Gas Locations, with respect to this location? If the local government does regulate the siting, but has waived its right to precede the COGCC in siting determination, indicate by selecting "YES" here and selecting "Waived" for the disposition below. ☒ Yes ☐ No

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. ☐

The local government siting permit type is: Special Use Building Permit

The local government siting permit was filed on: \_\_\_\_\_

The disposition of the application filed with the local government is: Other

Additional explanation of local process:

Caerus will be submitting a Special Use Building Permit application with Rio Blanco County approximately 6 months prior to constructing the CDP location.

## RELATED REMOTE LOCATIONS

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

<b>This proposed Oil and Gas Location is:</b>	<b>LOCATION ID #</b>	<b>FORM 2A DOC #</b>
Production Facilities Location serves Well(s)	<u>479185</u>	<u>402384749</u>
		<u>402384721</u>

## FACILITIES

Indicate the number of each type of oil and gas facility planned on location

Wells	<u>0</u>	Oil Tanks*	<u>0</u>	Condensate Tanks*	<u>5</u>	Water Tanks*	<u>2</u>	Buried Produced Water Vaults*	<u>0</u>
Drilling Pits	<u>0</u>	Production Pits*	<u>0</u>	Special Purpose Pits	<u>0</u>	Multi-Well Pits*	<u>0</u>	Modular Large Volume Tanks	<u>0</u>
Pump Jacks	<u>0</u>	Separators*	<u>2</u>	Injection Pumps*	<u>0</u>	Cavity Pumps*	<u>2</u>	Gas Compressors*	<u>0</u>
Gas or Diesel Motors*	<u>0</u>	Electric Motors	<u>0</u>	Electric Generators*	<u>0</u>	Fuel Tanks*	<u>0</u>	LACT Unit*	<u>1</u>
Dehydrator Units*	<u>0</u>	Vapor Recovery Unit*		VOC Combustor*	<u>1</u>	Flare*	<u>0</u>	Pigging Station*	<u>0</u>

## OTHER FACILITIES\*

Other Facility Type	Number
Generator Skids	<u>2</u>
Instrument Air Skid	<u>1</u>
Master Control Center (MCC) Skid	<u>1</u>
Water Coolers	<u>4</u>
Electrical Skid	<u>1</u>
Fuel Gas Skid	<u>1</u>
Gas Meter Skid	<u>1</u>
Inlet Slug Catcher	<u>2</u>

\*Those facilities indicated by an asterisk (\*) shall be used to determine the distance from the Production Facility to the nearest cultural feature on the Cultural Setbacks Tab.

Per Rule 303.b.(3)C, description of all oil, gas, and/or water pipelines:

Buried up to 12" 3-Phase gathering pipeline  
Buried up to 12" Water pipeline  
Buried 6" Gas Lift pipeline  
Buried up to 8" steel frac pipeline  
Surface up to 12" 3-Phase flowback pipeline. This will be removed once completions and flowback have been completed.

## CONSTRUCTION

Date planned to commence construction: 07/15/2021 Size of disturbed area during construction in acres: 10.20  
Estimated date that interim reclamation will begin: 07/15/2022 Size of location after interim reclamation in acres: 7.95  
Estimated post-construction ground elevation: 8078

## DRILLING PROGRAM

Will a closed loop system be used for drilling fluids: \_\_\_\_\_

Is H<sub>2</sub>S 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:

No wells will be drilled on this Location.

Beneficial reuse or land application plan submitted? \_\_\_\_\_

Reuse Facility ID: \_\_\_\_\_ or Document Number: \_\_\_\_\_

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

## SURFACE & MINERALS & RIGHT TO CONSTRUCT

Name: The Oil Shale Corporation

Phone: 281-206-5485

Address: 925 North Eldridge Parkway

Fax: \_\_\_\_\_

Address: \_\_\_\_\_

Email: \_\_\_\_\_

City: Houston State: TX Zip: 77079

Surface Owner: ☒ Fee ☐ State ☐ Federal ☐ Indian

Check all that apply. The Surface Owner: ☐ is the mineral owner

☐ is committed to an oil and Gas Lease

☐ has signed the Oil and Gas Lease

☐ is the applicant

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

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

The right to construct this Oil and Gas Location is granted by: Surface Use Agreement

Surface damage assurance if no agreement is in place: \_\_\_\_\_ Surface Surety ID: \_\_\_\_\_

Date of Rule 306 surface owner consultation \_\_\_\_\_

If this Form 2A is associated with Drilling and Spacing Unit applications, list docket number(s): \_\_\_\_\_

## CURRENT AND FUTURE LAND USE

Current Land Use (Check all that apply):

Crop Land: ☐ Irrigated ☐ Dry land ☐ Improved Pasture ☐ Hay Meadow ☐ CRP

Non-Crop Land: ☒ Rangeland ☐ Timber ☐ Recreational ☐ Other (describe): \_\_\_\_\_

Subdivided: ☐ Industrial ☐ Commercial ☐ Residential

**Future Land Use (Check all that apply):**

Crop Land: ☐ Irrigated ☐ Dry land ☐ Improved Pasture ☐ Hay Meadow ☐ CRP

Non-Crop Land: ☒ Rangeland ☐ Timber ☐ Recreational ☐ Other (describe): \_\_\_\_\_

Subdivided: ☐ Industrial ☐ Commercial ☐ Residential

## CULTURAL DISTANCE INFORMATION

Provide the distance to the nearest cultural feature as measured from Wells or Production Facilities onsite.

	From WELL	From PRODUCTION FACILITY
Building:	Feet	2100 Feet
Building Unit:	Feet	5280 Feet
High Occupancy Building Unit:	Feet	5280 Feet
Designated Outside Activity Area:	Feet	5280 Feet
Public Road:	Feet	277 Feet
Above Ground Utility:	Feet	5280 Feet
Railroad:	Feet	5280 Feet
Property Line:	Feet	3800 Feet
School Facility::	Feet	5280 Feet
School Property Line:	Feet	5280 Feet
Child Care Center:	Feet	5280 Feet

### INSTRUCTIONS:

- All measurements shall be provided from center of nearest Well or edge of nearest Production Facility to nearest of each cultural feature as described in Rule 303.b.(3)A.  
- Enter 5280 for distance greater than 1 mile.  
- Building - nearest building of any type. If nearest Building is a Building Unit, enter same distance for both.  
- Building Unit, High Occupancy Building Unit, Designated Outside Activity Area, School Facility, and Child Care Center – as defined in 100 Series Rules.  
- For measurement purposes only, Production Facilities should only include those items with an asterisk(\*) on the Facilities Tab.

## SCHOOL SETBACK INFORMATION

Was Notice required under Rule 305.a.(4)? ☐ Yes ☒ No

## DESIGNATED SETBACK LOCATION INFORMATION

Check all that apply. This location is within a:

- ☐ Buffer Zone  
☐ Exception Zone  
☐ Urban Mitigation Area

- Buffer Zone - as described in Rule 604.a.(2), within 1,000' of a Building Unit.  
- Exception Zone - as described in Rule 604.a.(1), within 500' of a Building Unit.  
- Urban Mitigation Area - as defined in 100-Series Rules.  
- Large UMA Facility – as defined in 100-Series Rules.

Pre-application Notifications (required if location is within 1,000 feet of a building unit):

Date of Rule 305.a.(1) Urban Mitigation Area Notification to Local Government: \_\_\_\_\_

Date of Rule 305.a.(2) Buffer Zone Notification to Building Unit Owners: \_\_\_\_\_

## FOR MULTI-WELL PADS AND PRODUCTION FACILITIES WITHIN DESIGNATED SETBACK LOCATIONS ONLY:

☐ Check this box if this Oil and Gas Location has or will have Production Facilities that serve multiple wells (on- or offsite) and the Production Facilities are proposed to be located less than 1,000 feet from a Building Unit. *(Pursuant to Rule 604.c.(2)E.i., the operator must evaluate alternative locations for the Production Facilities that are farther from the Building Unit, and determine whether those alternative locations were technically feasible and economically practicable for the same proposed development.)*

☐ By checking this box, I certify that no alternative placements for the Production Facilities, farther from the nearest Building Unit, were available based on the analysis conducted pursuant to Rule 604.c.(2)E.i.

In the space below, explain rationale for siting the multi-well Production Facility(ies) that supports your Rule 604.c.(2)E.i determination. Attach documentation that supports your determination to this Form 2A.

## SOIL

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

The required information can be obtained from the NRCS web site at <http://soildatamart.nrcs.usda.org/> or from the COGCC web site GIS Online map page found at <http://colorado.gov/cogcc>. Instructions are provided within the COGCC web site help section.

NRCS Map Unit Name: 58—Parachute Loam 25 to 75 percent slopes.

NRCS Map Unit Name: 76—Rhône loam, 30 to 75 percent slopes.

NRCS Map Unit Name: 87—Starman-Vandamore complex, 5 to 40 percent slopes.

## PLANT COMMUNITY:

Complete this section only if any portion of the disturbed area of the location's current land use is on non-crop land.

Are noxious weeds present: Yes ☐ No ☒

Plant species from: ☐ NRCS or, ☒ field observation Date of observation: 06/02/2020

List individual species:

### Check all plant communities that exist in the disturbed area.

- ☐ Disturbed Grassland (Cactus, Yucca, Cheatgrass, Rye)
- ☒ Native Grassland (Bluestem, Grama, Wheatgrass, Buffalograss, Fescue, Oatgrass, Brome)
- ☒ Shrub Land (Mahogany, Oak, Sage, Serviceberry, Chokecherry)
- ☐ Plains Riparian (Cottonwood, Willow, Aspen, Maple, Poplar, Russian Olive, Tamarisk)
- ☐ Mountain Riparian (Cottonwood, Willow, Blue Spruce)
- ☐ Forest Land (Spruce, Fir, Ponderosa Pine, Lodgepole Pine, Juniper, Pinyon, Aspen)
- ☐ Wetlands Aquatic (Bullrush, Sedge, Cattail, Arrowhead)
- ☐ Alpine (above timberline)
- ☐ Other (describe):

## WATER RESOURCES

Is this a sensitive area: ☐ No ☒ Yes

Distance to nearest

downgradient surface water feature: 340 Feet

water well: 3900 Feet

Estimated depth to ground water at Oil and Gas Location 503 Feet

Basis for depth to groundwater and sensitive area determination:

Water well permit receipt No. 3667700B. Depth to ground water is unknown.  
Depth to groundwater was estimated to be deeper than 75 feet below ground surface (bgs) based on the constructed monitoring well water well located 5525' west; Permit #56839-MH, Hunter Ridge Energy Services; completed in alluvial coarse sands and gravels; first water encountered at 70' bgs; TD - 77' bgs; screened from 60' to 75' bgs; SWL of 74' bgs.  
Depth to groundwater was estimated to be deeper than 100 feet below ground surface (bgs) based on the constructed residential water well located 12.950' northeast; Permit #243535, completed in shale and sandstones of the White River Formation; first water encountered at 100', 175', and 300' bgs; TD - 300' bgs; screened from 80' to 280' bgs; SWL of 30' bgs; pumping rate at 10 gpm for 1.5 hours; pumping level at end of test - 298' bgs.

Is the location in a riparian area: ☒ No ☐ Yes

Was an Army Corps of Engineers Section 404 permit filed ☒ No ☐ Yes If yes attach permit.

Is the location within a Rule 317B Surface Water Supply Area buffer zone: No

If the location is within a Rule 317B Surface Water Supply Area buffer have all public water supply systems within 15 miles been notified: \_\_\_\_\_

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

☒ Federal (FEMA)

☒ State

☒ County

☐ Local

☐ Other \_\_\_\_\_

## GROUNDWATER BASELINE SAMPLING AND MONITORING AND WATER WELL SAMPLING

Water well sampling required per Rule 609

## WILDLIFE

☒ This location is included in a Wildlife Mitigation Plan

☒ This location was subject to a pre-consultation meeting with CPW held on 06/02/2020

## DESIGNATED SETBACK LOCATION EXCEPTIONS

Check all that apply:

- ☐ Rule 604.a.(1)A. Exception Zone (within 500' of a Building Unit) and is in an Urban Mitigation Area
- ☐ Rule 604.b.(1)A. Exception Location (existing or approved Oil & Gas Location now within a Designated Setback as a result of Rule 604.a.)
- ☐ Rule 604.b.(1)B. Exception Location (existing or approved Oil & Gas Location is within a Designated Setback due to Building Unit construction after Location approval)
- ☐ Rule 604.b.(2) Exception Location (SUA or site-specific development plan executed on or before August 1, 2013)
- ☐ Rule 604.b.(3) Exception Location (Building Units constructed after August 1, 2013 within setback per an SUA or site-specific development plan)

## RULE 502.b VARIANCE REQUEST

☐ Rule 502.b. Variance Request from COGCC Rule or Spacing Order Number \_\_\_\_\_

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

## OPERATOR COMMENTS AND SUBMITTAL

Comments The proposed ELU G13 496 Central Delivery Point (CDP) will be handling the 3 -Phase Production from the proposed ELU M12 496 pad (37 Wells), the proposed ELU A18 495 pad (35 wells) and the proposed ELU O13 496 (26 wells). The handling of production at the CDP allows for an increase in area to be interim reclaimed at the two proposed well pads.

Three phase separation will occur at the CDP facility, with oil being separated, and measured through a LACT Meter, dumped to, and sold from the oil tank battery. Water will be separated, cooled, and pumped back to Divide Road Water Treatment where the water will be reused for completion activities or disposed of in existing salt-water disposal well. Gas will be separated, measured, and will flow into a gas gathering line, carrying the gas to the Story Gulch Compressor Station or Middle Fork Compressor Station, where compression and dehydration activities will occur. Measurement of the gas, on the gathering facility pad, will be the custody transfer and allocation point.

Stormwater is addressed under a field-wide Stormwater Management Plan (CDPHE Certification #COR400000). Run-on protection and run-off controls will be installed prior to the beginning of construction activities, with consideration given to worker safety, wildlife, and site access.

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

Signed: \_\_\_\_\_ Date: 10/09/2020 Email: jeckman@caerusoilandgas.com

Print Name: Jason Eckman Title: Surface Regulatory Lead

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: 1/14/2021

## 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
1	Planning	Caerus is using and modifying existing pads and access roads; directional drilling is planned to minimize habitat loss and fragmentation. Central Delivery Point (CDP) Production Pads are being used to reduce final footprints of nearby well pads, so more acreage can be reclaimed on those well pad locations.
2	Wildlife	Onsite biological surveys (wildlife and aquatic) for each new development, using the most recent data sets for wildlife resources, will be conducted prior to any activity. Caerus uses the Wildlife Resources Matrix (within the approved North Parachute Ranch, Wildlife Mitigation Plan) to identify and document potential impacts or concerns during the project planning phase for proposed drilling/completion operations and construction of roads, pads, and pipelines. Caerus will perform pre-disturbance surveys when the onsite inspection and commencement of disturbance occur during different field seasons. Caerus will follow the North Parachute Ranch Integrated Vegetation Management Guidance Document for interim and final reclamation practices, including identifying appropriate seed mixes and invasive weed control measures.



3	Storm Water/Erosion Control	<p>The CDP Facility will be constructed as designed and shown on the Construction Layout Drawings. During construction only the minimum amount of vegetation necessary for the construction of roads and facilities will be removed. Topsoil will be conserved during excavation and will be reused as cover on disturbed areas and perimeter berms. No construction or routine maintenance activities are performed during periods when the soil is too wet to adequately support construction equipment. Any stockpile(s) for topsoil and excess cut material will be located in work areas surrounded by the BMPs as shown on the Construction Layout Drawings. Stormwater BMPs will be installed per details in the Stormwater Management Plan (SWMP) and as shown on the Construction Layout Drawings. Disturbed areas of the site will be left in a surface roughened condition. BMPs will be protected, inspected, and repaired as necessary.</p> <p>All new flowline/pipeline installations will be performed in accordance with new flowline guidance and requirements in the COGCC 1100 Series Rules. All new offsite pipelines will be registered in accordance with the 1100 Series Rules.</p> <p>Berms or other containment devices shall be constructed to be sufficiently impervious (corrugated steel with synthetic liner) to adequately contain any spilled or released material around crude oil, condensate, and produced water storage tanks, while also ensuring the adequate prevention of significant adverse environmental impacts.</p>
4	Dust control	<p>Active measures to prevent fugitive dust emissions from the well pad, well pad access entrance, and other connecting dirt roads during drilling, completion, and production operations will be implemented. Fugitive dust control measures to reduce dust and coating of vegetation and deposition in water sources include the use of water/fluid dust suppression application, the use of speed restrictions, and regular road maintenance.</p>
5	Interim Reclamation	<p>Once all topsoil has been distributed across the site where interim reclamation is planned, the location is then seeded by drill seeding methods or broadcast seeding. Re-vegetation is accomplished as soon as practical following the preparation of a site for final stabilization. Seeding will be done when seasonal or weather conditions are most favorable. On terrain where drill seeding is appropriate, seed may be planted using a drill equipped with a depth regulator to ensure proper depth of planting. Re-countouring to help control run-on and run-off will be done in areas where it will not impede ongoing production operations.</p>
6	Final Reclamation	<p>The disturbed areas surrounding the CDP Facility, including the access road will be recontoured to blend as nearly possible with the natural topography. Final grading of back-filled and cut slopes will be done to prevent erosion and encourage establishment of vegetation. Previously existing drainages will be re-established. The long term objective is to establish a self-perpetuating plant community that is compatible with and capable of supporting the identified land use. Noxious weeds will be treated in accordance with applicable COGCC rules and county weed management requirements.</p>
7	CPW-Wildlife - Minimization-GREATER SAGE-GROUSE	<p>Caerus will implement three-phase gathering on locations to reduce the need for onsite production facilities and increase the acreage put into interim reclamation. It will also reduce truck traffic.</p>
8	CPW-Wildlife - Mitigation-GREATER SAGE-GROUSE	<p>Caerus will continue to provide access to CPW research personnel for ongoing greater sage grouse population research on the North Parachute Ranch (NPR)(NPR) and other operator-owned property.</p>
9	CPW-Wildlife - Minimization-Deer and Elk	<p>Caerus will implement three-phase gathering systems to reduce truck traffic.</p>
10	CPW-Wildlife - Minimization-GREATER SAGE-GROUSE	<p>Caerus will utilize solar panels to reduce the need for additional powerlines; and use remote telemetry to reduce the need for daily site visitation.</p>

11	CPW-Wildlife - Mitigation-Deer and Elk	Caerus will manage all grazing lease agreements for the North Parachute Ranch under a consistent monitoring program to ensure that livestock utilization does not negatively impact other natural wildlife resources. Monitoring will include fence inspections, repairs, and improvements; periodic range checks for trespassing cattle or unexpected issues; the use of grazing baskets to determine the percentage of grazing usage so that livestock may be timely removed from an area; continuing the development and maintenance of water sources as a result of Caerus operations; and adopting grazing management guidelines, including grazing lease deferrals, to protect existing wildlife habitat resources. Existing and new lease agreements include provisions to: 1) limit animal grazing unit months; 2) prevent overgrazing; 3) manage the use of salt blocks to protect vegetation; 4) conduct any weed treatment operations consistent with the North Parachute Ranch Integrated Vegetation Management Guidance Document; and 5) utilize sound animal management practices.
12	CPW-Wildlife - Mitigation-Deer and Elk	Caerus will maintain open space (no permanent surface structures) on 20 acres of the Parachute Creek Property that is within a migration corridor.
13	CPW-Wildlife - Minimization-GREATER SAGE-GROUSE	To reduce truck traffic, Caerus will utilize a three-phase gathering system to transfer product fluids from the multiple well pads to the ELU G13-496 CDP; where produced water will then be transferred through the existing pipeline system to the Divide Road Water Treatment Facility for treatment and recycling.
14	CPW-Wildlife - Minimization-Black Bear	The operator agrees to report bear conflicts immediately to CPW staff.
15	CPW-Wildlife - Avoidance-GREATER SAGE-GROUSE	Caerus has agreed to avoid development along the top of Barnes Ridge. CPW indicated that this ridge is an important resource for the greater sage grouse population and will continue to adhere to avoiding the ridgetop.
16	CPW-Wildlife - Minimization-GREATER SAGE-GROUSE	Caerus will implement weed management programs for offsite weed treatment (annual budget of \$100,000) and onsite weed treatment (annual budget of \$200,000) for well pads, support pads, production and central delivery point pads, pipeline corridors, access roads, and adjacent areas.
17	CPW-Wildlife - Mitigation-Deer and Elk	Caerus will place multiple gathering lines into a single trench to minimize disturbance and construction; and will install trench plugs (sloped to allow wildlife or livestock to exit the trench should they enter) at known wildlife or livestock trails to allow safe crossing on long spans of open trench, when trenches are left open longer than 48 hours.
18	CPW-Wildlife - Minimization-GREATER SAGE-GROUSE	Caerus will restrict commercial and residential development on the North Parachute Ranch.
19	CPW-Wildlife - Avoidance-GREATER SAGE-GROUSE	Caerus will complete pad construction and interim/final reclamation activities between July 15 and December 15; avoiding the greater sage grouse wintering, breeding, and nesting periods of December 15 to July 15.
20	CPW-Wildlife - Minimization-GREATER SAGE-GROUSE	Only essential traffic will be permitted to access sites throughout the North Parachute Ranch where no active operations are occurring. Essential site visits to the well pad and production pad will occur between 10:00 a.m. and 4:00 p.m. during the leking, nesting and early brood rearing seasons (March 1 to June 30) within 1.0 mile of an active lek.
21	CPW-Wildlife - Mitigation-GREATER SAGE-GROUSE	Caerus will utilize the BLM/CPW suggested seed mix containing native species recommended for greater sage grouse habitat.
22	CPW-Wildlife - Mitigation-Deer and Elk	Caerus will continue to provide access to CPW research personnel for ongoing mule deer research and predator research on the North Parachute Ranch (NPR) and other operator-owned property.
23	CPW-Wildlife - Mitigation-Deer and Elk	Caerus elected to add additional Grazing Monitoring cages to several of the pastures and near water sources. A total of \$50,000 will be spent on grazing monitoring annually.

24	CPW-Wildlife - Minimization-Black Bear	The operator will implement Rule 1204.a.1 (also see General Operating Recommendations) by storing all garbage, trash, and debris in enclosed bear proof trash containers and transported to an approved disposal facility once per week during drilling and completions operations. No garbage, trash, and debris will be disposed of on location. The well site and access road will be kept free of trash and debris at all times.
25	CPW-Wildlife - Minimization-Deer and Elk	Pets will be prohibited on Caerus property.

Total: 25 comment(s)

### **Attachment List**

<b><u>Att Doc Num</u></b>	<b><u>Name</u></b>
2109443	APPROVED ENVIRONMENTAL ASSESSMENT DOI-BLM-CO-N050-2020-0052
2109444	AERIAL PHOTO MAPS
2109446	SENSITIVE WILDLIFE HABITAT (SWH) AREAS MAPS
2109447	SURFACE AGRMT/SURETY
22109446	OBJECTIVE CRITERIA REVIEW MEMO
402492359	SURFACE AGRMT/SURETY
402505441	FORM 2A SUBMITTED
402507014	NRCS MAP UNIT DESC
402507017	LOCATION PICTURES
402507020	CONST. LAYOUT DRAWINGS
402507022	HYDROLOGY MAP
402507023	LOCATION DRAWING
402507024	PIPELINE ROUTE MAP
402507025	REFERENCE AREA PICTURES
402507026	REFERENCE AREA MAP
402507027	SURFACE USE DISTURBANCE BREAKDOWN DRAWING
402507028	ACCESS ROAD MAP

Total Attach: 17 Files

## General Comments

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>
Final Review	Changed "the minerals beneath this location will be...produced to this location" to YES, as the location is within the same federal lease area as the proposed wells on Location ID# 479185.	01/14/2021
OGLA	01/04/2021 - passed OGLA task.	01/04/2021
OGLA	01/04/2021 - The Objective Criteria Review Memo (Doc No 2109446) is attached to this Form 2A; following additional analysis arising out of the Objective Criteria, the Director determined that this application meets the standard for the protection of public health, safety, welfare, the environment and wildlife resources set by SB 19-181;	01/04/2021
OGLA	12/14/2020 - completed 'Objective Criteria Review Memo'; prepared Objective Criteria Review Document (OCD) with the objective criteria review memo, pertinent maps and attachments (Aerial Maps, Hydrology Map, Construction, Facility, and Stormwater Drawings, Pipeline Map, Wildlife Maps), and portions of the current Form 2A; Director review completed on 12-17-20; finalized 'Objective Criteria Review Memo'; conducted OGLA review; passed OGLA-181 task on 12-21-20;	12/14/2020
OGLA	12/12/2020 - prepared 'Objective Criteria Review Memo'; received and attached documents to support objective criteria review; renamed attachments 'OTHER' to better identify what they are;	12/11/2020
OGLA	12/11/2020 - requested additional drawings and attachments from operator; requested planned construction, drilling, and completion activities timeframe and duration;	12/11/2020
DOW	CPW, BLM, and Caerus attended an on-site at this location on 06/02/2020. The location had a thick, mature mountain shrub community. This site is located within the following wildlife habitats: elk production, elk winter concentration area, mule deer winter concentration area, greater sage-grouse production, and greater sage-grouse winter range. Caerus is proposing to construct, interim reclaim, and final reclaim this location during a July 15 – December 15 construction window. The operator proposed BMPs, with the modifications suggested by CPW, adequately cover protections for both big game and greater sage-grouse. CPW modified the winter timing limitation stipulation for deer and elk to accommodate 15 extra days of construction, if needed, in consideration of the lengthy timing limitation proposed to protect the other habitats seasonal uses.	11/17/2020
OGLA	10/12/2020 - OGCC staff conducted its technical review of this Form 2A Oil and Gas Location Assessment within the context of SB 19-181 and the required Objective Criteria. This Form 2A met Objective Criteria #5.c, #6, and #12; conducted detailed OGLA technical review;	10/12/2020
OGLA	Passed Completeness.	10/09/2020

Total: 9 comment(s)