

FORM  
2A

Rev  
08/13

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:

400730168

(SUBMITTED)

Date Received:

Oil and Gas Location Assessment

☒ New Location    ☐ Refile    ☐ Amend Existing Location    Location#: \_\_\_\_\_

Submit signed original form. 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 <http://cogcc.state.co.us/> for all accompanying information pertinent this Oil and Gas Location Assessment.

Location ID:

Expiration Date:

☒ 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: 600 17TH STREET #1600N

City: DENVER    State: CO    Zip: 80202

Contact Information

Name: Crissy Venturo

Phone: (720) 352-7916

Fax: ( )

email: cventuro@progressivepcs.net

RECLAMATION FINANCIAL ASSURANCE

☒ Plugging and Abandonment Bond Surety ID: 20130021

☐ Gas Facility Surety ID: \_\_\_\_\_

☐ Waste Management Surety ID: \_\_\_\_\_

LOCATION IDENTIFICATION

Name: Mesa

Number: E1-797

County: GARFIELD

Quarter: TRCT63    Section: 1    Township: 7S    Range: 97W    Meridian: 6    Ground Elevation: 8345

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: 2125 feet FNL from North or South section line

1314 feet FWL from East or West section line

Latitude: 39.475967    Longitude: -108.173350

PDOP Reading: 1.2    Date of Measurement: 10/20/2014

Instrument Operator's Name: Harold Marshall

## 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 #

## FACILITIES

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

Wells	20	Oil Tanks*		Condensate Tanks*	2	Water Tanks*	10	Buried Produced Water Vaults*	
Drilling Pits		Production Pits*		Special Purpose Pits		Multi-Well Pits*		Modular Large Volume Tanks	
Pump Jacks		Separators*	7	Injection Pumps*	1	Cavity Pumps*		Gas Compressors*	
Gas or Diesel Motors*		Electric Motors		Electric Generators*		Fuel Tanks*		LACT Unit*	
Dehydrator Units*		Vapor Recovery Unit*		VOC Combustor*	2	Flare*	1	Pigging Station*	

## OTHER FACILITIES\*

Other Facility Type

Number

Chemical Injection Tank

3

\*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:

6" gas sales line and 6" water pipeline. Please see attached List of Facilities for additional equipment on location.

## CONSTRUCTION

Date planned to commence construction: 03/13/2015

Size of disturbed area during construction in acres: 10.10

Estimated date that interim reclamation will begin: 09/13/2015

Size of location after interim reclamation in acres: 2.48

Estimated post-construction ground elevation: 8329

## DRILLING PROGRAM

Will a closed loop system be used for drilling fluids: Yes

Is H<sub>2</sub>S anticipated? No

Will salt sections be encountered during drilling: No

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

Will oil based drilling fluids be used? No

## DRILLING WASTE MANAGEMENT PROGRAM

Drilling Fluids Disposal: ONSITE

Drilling Fluids Disposal Method: Recycle/reuse

Cutting Disposal: ONSITE

Cuttings Disposal Method: Beneficial reuse

Other Disposal Description:

Please see attached Waste Management Plan for details on drilling and cuttings disposal.

Beneficial reuse or land application plan submitted? No

Reuse Facility ID: or Document Number:

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

## SURFACE & MINERALS & RIGHT TO CONSTRUCT

Name: Puckett Land Company

Phone:

Address: 5430 S. Quebec Street

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

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

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

City: Greenwood State: CO Zip: 80111  
Village

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: oil and gas lease

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

Date of Rule 306 surface owner consultation 12/12/2014

## 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:	5280 Feet	5280 Feet
Building Unit:	5280 Feet	5280 Feet
High Occupancy Building Unit:	5280 Feet	5280 Feet
Designated Outside Activity Area:	5280 Feet	5280 Feet
Public Road:	5280 Feet	5280 Feet
Above Ground Utility:	5280 Feet	5280 Feet
Railroad:	5280 Feet	5280 Feet
Property Line:	3977 Feet	3931 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, and Designated Outside Activity Area - as defined in 100-Series Rules.
- For measurement purposes only, Production Facilities should only include those items with an asterisk(\*) on the Facilities Tab.

## 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.

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: Map Unit Symbol: 57 Parachute Rhone loams, 5 to 30 percent slopes

NRCS Map Unit Name: \_\_\_\_\_

NRCS Map Unit Name: \_\_\_\_\_



## 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: 11/06/2014

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): sage, oak brush, and choke cherry

## WATER RESOURCES

Is this a sensitive area: ☒ No ☐ Yes

Distance to nearest

downgradient surface water feature: 882 Feet

water well: 608 Feet

Estimated depth to ground water at Oil and Gas Location 234 Feet

Basis for depth to groundwater and sensitive area determination:

Based on Colorado Division of Water Resources static water level data from water well Permit # 271289/ Receipt 9502666A. Please note, the static water level was pulled from a water well located 3310' NE of the proposed pad since there was no static water level data available for the closest water well.

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: \_\_\_\_\_

## GROUNDWATER BASELINE SAMPLING AND MONITORING AND WATER WELL SAMPLING

Water well sampling required per Rule 609

## DESIGNATED SETBACK LOCATION EXCEPTIONS

Check all that apply:

- ☐ Rule 604.a.(1)A. Exception Zone (within 500' of Building Unit)
- ☐ 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 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 Puckett 13B-1 was used as the reference point for footages. The associated Form 2 APDs are being submitted simultaneously (see attached related form Doc #s). Please refer to the attached multi-well plan for the proposed locations. The surface owner has waived consultation requirements of Rule 305-306 as shown on the attached waiver. In addition to producing wells, there will be a UIC well permitted on this pad. Distance to nearest downgradient surface water feature was measured to the drainage SE of the proposed pad as shown on the attached hydrology map.

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

Signed: \_\_\_\_\_ Date: \_\_\_\_\_ Email: [cventuro@progressivepcs.net](mailto:cventuro@progressivepcs.net)

Print Name: Crissy Ventura Title: Regulatory Analyst

Based on the information provided herein, this Application for Permit-to-Drill complies with COGCC Rules and applicable orders 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.

## Best Management Practices

No	BMP/COA Type	Description
1	Planning	<ul style="list-style-type: none"><li>• A stabilized staging area will be prepared.</li><li>• Vehicle tracking pads, geotextiles, or mud mats will be installed where applicable to provide designated access into the ROW.</li><li>• Perimeter control BMPs will be installed.</li><li>• Access to areas that are not to be disturbed will be limited to protect the existing vegetation.</li><li>• Dust mitigation practices will be utilized.</li></ul>
2	General Housekeeping	<ul style="list-style-type: none"><li>• Caerus will routinely inspect the surface pipeline to ensure integrity and conduct daily inspections of surface poly pipeline routes for leaks during active transfer of fluids. Inspections shall be conducted by viewing the length of the pipeline.</li><li>• Caerus will comply with Rule 609 Statewide Groundwater Baseline Sampling and Monitoring Caerus will comply with Rule 603.f Statewide equipment, weeds, waste, and trash requirements.</li></ul>
3	Wildlife	<ul style="list-style-type: none"><li>• All garbage and any food items will be placed in bear proof trash containers.</li><li>• Personnel will not feed wildlife at any time.</li><li>• Bears will not be approached if encountered in the project area.</li><li>• Seed mix used for interim and final reclamation is prescribed by the landowner.</li><li>• Other considerations as described in the Wildlife Mitigation Plan with Colorado Division of Parks and Wildlife.</li></ul>

4	Storm Water/Erosion Control	<ul style="list-style-type: none"> <li>• Run-on protection and run-off controls will be installed prior to the beginning of construction activities, as practicable, with consideration given to worker safety and site access. Additional structural and non-structural Best Management Practices (BMPs) will likely need to be installed during and following construction.</li> <li>• No stormwater run-off will be discharged to the Colorado River.</li> </ul>
5	Construction	<ul style="list-style-type: none"> <li>• Stockpiles for topsoil, excess cut material, and drill cuttings will be located in work areas within perimeter BMPs.</li> <li>• Stormwater BMPs will be installed per details in the Stormwater BMP manual.</li> <li>• Disturbed area of site will be left in a surface roughened condition when feasible.</li> <li>• BMPs will be protected, inspected and repaired as necessary.</li> <li>• Dust mitigation practices will be utilized.</li> <li>• The access road will be constructed and maintained as to not allow any sediment to migrate from the access road to nearby surface water or any drainages leading to surface water.</li> <li>• Berms or other containment devices shall be constructed to be sufficiently impervious (corrugated steel with synthetic liner) to contain any spilled or released material around crude oil, condensate, and produced water storage tanks.</li> </ul>
6	Drilling/Completion Operations	<ul style="list-style-type: none"> <li>• Topsoil will be stockpiled as appropriate to maintain microbial viability.</li> <li>• Run-off from the facility will be controlled per Stormwater Management Plan.</li> <li>• Pooled water will be treated for mosquitoes to minimize the spread of the West Nile virus.</li> <li>• Caerus will ensure 110 percent secondary containment for any potential volume of fluids that may be released from the surface pipeline at all sensitive area crossings, including, but not limited to stream, intermittent stream, ditch, and drainage crossings.</li> </ul>
7	Interim Reclamation	<ul style="list-style-type: none"> <li>• Top soil, where present, will be segregated from deeper soils and replaced as top soil on the final grade, a process known as live topsoil handling.</li> <li>• In all cases, temporary disturbance will be kept to an absolute minimum.</li> <li>• Equipment and materials handling will be done on established sites to reduce area and extent of soil compaction.</li> <li>• Disturbances will be reseeded as soon as practical with the recommended mix in the re-vegetation section.</li> <li>• Topsoil stockpiles will be seeded with non-invasive sterile hybrid grasses, if stored longer than one growing season.</li> <li>• Prior to delivery to the site, equipment will be cleaned of soils remaining from previous construction sites which may be contaminated with noxious weeds.</li> <li>• If working in sites with weed-seed contaminated soil, equipment will be cleaned of potentially seed-bearing soils and vegetative debris prior to moving to uncontaminated terrain.</li> </ul>
8	Final Reclamation	<ul style="list-style-type: none"> <li>• BMPs installed during previous phases will be maintained and repaired as necessary.</li> <li>• Surface will be stabilized with gravel when feasible</li> <li>• BMPs will be inspected.</li> <li>• Seeding and mulching or the installation of erosion control blankets will take place where applicable.</li> <li>• All non-biodegradable temporary BMPs will be removed when applicable.</li> <li>• Dust mitigation practices will be utilized.</li> </ul>

Total: 8 comment(s)

## Attachment Check List

<u>Att Doc Num</u>	<u>Name</u>
400771589	LOCATION PICTURES
400771592	CONST. LAYOUT DRAWINGS
400771623	LOCATION DRAWING
400771650	MULTI-WELL PLAN
400771652	ACCESS ROAD MAP
400771653	REFERENCE AREA MAP
400771661	REFERENCE AREA PICTURES
400771663	HYDROLOGY MAP
400771666	TOPO MAP
400771670	NRCS MAP UNIT DESC
400771671	WAIVERS
400785836	FACILITY LAYOUT DRAWING
400785922	EQUIPMENT LIST
400787487	WASTE MANAGEMENT PLAN

Total Attach: 14 Files

## General Comments

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>

Total: 0 comment(s)