

FORM  
2A

Rev  
06/19

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:

401808241

Date Received:

03/20/2019

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

Location ID:

**465575**

Expiration Date:

**06/20/2022**

☒ 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: 6720  
Name: ROBERT L BAYLESS PRODUCER LLC  
Address: 621 17TH ST STE 2300  
City: DENVER State: CO Zip: 80293

Contact Information

Name: JOHN THOMAS  
Phone: (303) 2969900  
Fax: (303) 2960753  
email: JTHOMAS@RLBAYLESS.COM

FINANCIAL ASSURANCE

☒ Plugging and Abandonment Bond Surety ID (Rule 706): 20180070 ☐ Gas Facility Surety ID (Rule 711): \_\_\_\_\_

☐ Waste Management Surety ID (Rule 704): \_\_\_\_\_

LOCATION IDENTIFICATION

Name: WEAVER RIDGE Number: 14 Well Pad  
County: RIO BLANCO  
QuarterQuarter: NESW Section: 14 Township: 1S Range: 104W Meridian: 6 Ground Elevation: 6654  
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: 1382 feet FSL from North or South section line  
2429 feet FWL from East or West section line  
Latitude: 39.957765 Longitude: -109.036769  
PDOP Reading: 2.2 Date of Measurement: 05/28/2014  
Instrument Operator's Name: Q.M.

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 COGCC application? If the local government has waived its right to precede the COGCC in siting determination, indicate by selecting "NO" here and selecting "Waived" 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: \_\_\_\_\_

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

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

Additional explanation of local process:

Rio Blanco County has waived its right to precede the COGCC in siting determination. Contact Lannie Massey, Rio Blanco County LGD at 970-878-9586 for questions.

## 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 <u>3</u>	Oil Tanks* <u>      </u>	Condensate Tanks* <u>5</u>	Water Tanks* <u>1</u>	Buried Produced Water Vaults* <u>      </u>
Drilling Pits <u>      </u>	Production Pits* <u>      </u>	Special Purpose Pits <u>      </u>	Multi-Well Pits* <u>      </u>	Modular Large Volume Tanks <u>      </u>
Pump Jacks <u>1</u>	Separators* <u>2</u>	Injection Pumps* <u>      </u>	Cavity Pumps* <u>      </u>	Gas Compressors* <u>      </u>
Gas or Diesel Motors* <u>      </u>	Electric Motors <u>      </u>	Electric Generators* <u>      </u>	Fuel Tanks* <u>      </u>	LACT Unit* <u>      </u>
Dehydrator Units* <u>      </u>	Vapor Recovery Unit* <u>      </u>	VOC Combustor* <u>1</u>	Flare* <u>      </u>	Pigging Station* <u>      </u>

## OTHER FACILITIES\*

**Other Facility Type** **Number**

Sales Meter	1
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\*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:

There is an existing pipeline located east of the location. Approximately ±841' of new 3" to 4" steel flowline will be necessary to tie-in to the existing pipeline. All flowlines will be constructed on lease. No additional pipeline will be constructed.

There will be a 2-3" combined water, gas, and condensate transportation pipeline to tank battery.

Diameter: 3-1/2" O.D. (3" nominal)

Wall Thickness: 0.216" Grade: X42 Steel

Design Pressure: 1,440 psi Actual Pressure: 450-750 psi

Pressure Test Fluid: Natural gas from well

Field Test Pressure: Pipeline Depth: 36"- 48"

## CONSTRUCTION

Date planned to commence construction: 06/24/2019 Size of disturbed area during construction in acres: 5.29  
Estimated date that interim reclamation will begin: 12/01/2019 Size of location after interim reclamation in acres: 1.16  
Estimated post-construction ground elevation: 6649

## 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: OFFSITE Drilling Fluids Disposal Method: Commercial Disposal

Cutting Disposal: ONSITE Cuttings Disposal Method: Other

Other Disposal Description:

The cuttings will be put through shakers and will be cleaned prior to evaporating and backfilling into the cuttings management area along the eastern cut portion of the well pad.

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: BLM

Phone: 970-878-3800

Address: 220 E MARKET ST

Fax: 970-878-3805

Address:

Email:

City: MEEKER State: CO Zip: 81641

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 08/18/2014

## 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:	1553 Feet	1346 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:	915 Feet	719 Feet
Above Ground Utility:	909 Feet	715 Feet
Railroad:	5280 Feet	5280 Feet
Property Line:	1266 Feet	1121 Feet
School Facility::	5280 Feet	5280 Feet
School Property Line:	5280 Feet	5280 Feet
Child Care Center:	5280 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 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: 73-Rentsac channery loam, 5 to 50 percent slopes

NRCS Map Unit Name: 91-Torriorthents-Rock outcrop complex, 15 to 90 percent slopes

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: \_\_\_\_\_

List individual species: No plant community species listed on NRCS report.

### 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: 751 Feet

water well: 40747 Feet

Estimated depth to ground water at Oil and Gas Location 100 Feet

Basis for depth to groundwater and sensitive area determination:

Basis for depth to groundwater was determined by Water Well Permit #22664-MH which is located in T1N R103W Sec. 17: SENE - screened interval 80' to 100' water at 90'; and a Water Well Permit #119506 which is located in T2S R102W Sec. 6: SWNE - water producing interval (open hole) 90' to 200' water at 180'

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 No zone:

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 \_\_\_\_\_

## 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 Bayless has approved BLM permits for all three wells located on this wellpad.

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

Signed: \_\_\_\_\_ Date: 03/20/2019 Email: acallaway@upstreampm.com

Print Name: Angela Callaway Title: Permit Agent

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: 6/21/2019

## 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

	Planning: The following conditions of approval (COAs) will apply: <ul style="list-style-type: none"><li>• Provide Notices as described in the most current version of the Northwest Notification Policy.</li></ul>
	Drilling/Completions: The following conditions of approval (COAs) will apply: <ul style="list-style-type: none"><li>• A closed loop system must be implemented during drilling (as indicated on the Form 2 and Form 2A).</li><li>• The moisture content of all drill cuttings managed onsite shall be kept as low as practicable to prevent accumulation of liquids greater than de minimis amounts.</li><li>• All cuttings generated during drilling must be kept in tanks or containers, or placed in a bermed portion of the well pad prior to disposition. The surface where the cuttings will be placed shall be constructed to be sufficiently impervious (or lined) to keep any material from migrating into the subsurface.</li><li>• After drilling and completion operations have been completed, any of the drill cuttings that will remain on the well pad location (surface dry cuttings in the cut portion of the pad), must meet the applicable standards of Table 910-1.</li><li>• Flowback and stimulation fluids must be sent to enclosed tanks, separators, or other containment or filtering equipment before the fluids can be placed into any pipeline, storage vessel, or into tanker trucks for offsite disposal. No open top tanks can be used for initial flowback fluids containment. Secondary containment for flowback storage tanks shall meet the requirements of Rule 906.d.(1).</li></ul>

## **Best Management Practices**

<b>No</b>	<b>BMP/COA Type</b>	<b>Description</b>
1	Planning	Bayless is permitting an Oil and Gas Location Assessment - Form 2A as a multi-well pad through the Colorado Oil and Gas Conservation Commission. This will eliminate the need for multiple well pads which would ultimately require more surface disturbance.
2	Storm Water/Erosion Control	Bayless will maintain a Stormwater Management Plan with site specific measures to assess erosion control. Bayless will make thorough inspections, in accordance with the requirements set forth by CDPHE Water Quality Control Division (WQCD). The inspection schedule is as follows: While site is under construction, an inspection is required at least every 14 calendar days; Post storm event inspections must be conducted within 24 hours after the end of any precipitation or snowmelt event that causes surface erosion. Inspection records will be kept on file for a minimum of three (3) years from expiration or inactivation of permit coverage. These records will be made available to the regulatory agencies upon request.
3	Drilling/Completion Operations	A closed loop system will be used. No pits will be built. An enclosed flare stack will be used only during the drilling and completion process. After completions, based on actual gas production volumes, a VOC combustor will be placed on location. Operator will ensure compliance with Rule 605.a.(4) or at a minimum, 110 percent secondary containment for any potential volume of fluids that may be released during drilling, completion, and production operations, whichever is more protective.
4	CPW-Wildlife - Minimization-Deer and Elk	If new oil and gas operations must occur within CPW-identified mule deer critical winter range or elk winter concentration areas), the operator agrees to conduct new oil and gas operations outside the time period from December 1 through April 30.

Total: 4 comment(s)

## **Attachment Check List**

<b>Att Doc Num</b>	<b>Name</b>
2108831	WEAVER RIDGE 14-14H1 APPROVED FEDERAL APD AND EXTENSION
2108832	WEAVER RIDGE 14-14H2 APPROVED FEDERAL APD AND EXTENSION
2108833	WEAVER RIDGE 14-11H APPROVED FEDERAL APD AND EXTENSION
2108834	PLANT PROXIMITY MAP
2108835	ACCESS ROAD MAP
2108849	CONST. LAYOUT DRAWINGS
2108850	WASTE MANAGEMENT PLAN
2108852	DIRECTOR CRITERIA REVIEW SUMMARY
401808241	FORM 2A SUBMITTED
401921671	HYDROLOGY MAP
401921673	LOCATION DRAWING
401921675	LOCATION PICTURES
401921677	MULTI-WELL PLAN
401921683	REFERENCE AREA MAP
401921684	REFERENCE AREA PICTURES
401921687	OTHER
401921706	FACILITY LAYOUT DRAWING
401931222	NRCS MAP UNIT DESC

Total Attach: 18 Files

## **General Comments**



<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>
Permit	Final Review Completed.	06/21/2019
OGLA	The 'Director Criteria Review Summary' document (#2108852) is attached to this Form 2A. Following additional analysis of the Director 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.	06/19/2019
Permit	Operator provided local government siting permit status and school and childcare distances via the Local Government Information Google Form - information entered with operator concurrence.	06/04/2019
OGLA	<p>04/01/2019 - this new Fed/Fed location falls within 'sensitive wildlife habitat' (SWH) area (mule deer critical winter range); therefore a CPW Wildlife Consult is required; passed by CPW with the annual winter timing restriction for construction, drilling, and completions supplied by the operator, along with the lease strips and COAs being implemented by the Bureau of Land Management, are sufficient to avoid and minimize impacts to wildlife; there are no additional recommendations being made by CPW at this time;</p> <p>05/14/2019 - initiated OGLA Form 2A review by Dave Kubeczko;</p> <p>05/15/2019 - requested approved Federal APDs for the three wells on location from operator;</p> <p>05/17/2019 - received approved Federal APDs and approved Federal Extensions for the three wells on location from operator;</p> <p>05/20/2019 - attached the approved Federal APDs and approved Federal Extensions for the three wells on location; requested Access Road Map from operator; received and attached Access Road Map to the Form 2A; placed Northwest Notification Policy, cuttings management, and flowback to tanks COAs on the Form 2A; no additional COAs required;</p> <p>05/20/2019 - completed OGLA Form 2A review by Dave Kubeczko; passed OGLA Form 2A review by Dave Kubeczko; Northwest Notification Policy, cuttings management, and flowback to tanks COAs; no additional COAs required.</p> <p>05/31/2019 - COGCC staff initially discussed this Form 2A location with the Director concerning the identified 'Director Objective Criteria' of location being within 'sensitive wildlife habitat' (SWH) area (mule deer critical winter range) and the requirements of SB19-181; APDs have been approved by BLM for this Federal Surface and Federal Minerals site;</p> <p>06/04/2019 - this new location is in Rio Blanco County; Rio Blanco County has waived its right to preceed the COGCC in siting determination; Contact Lanney Massey, Rio Blanco County LGD and NRS at 970-878-9586 for questions; updated the new 'LOCAL GOVERNMENT INFORMATION' section with data submitted by operator on excel spreadsheet;</p> <p>06/14/2019 - requested revised 'Construction Layout Drawings' and a 'Waste Management Plan' detailing cuttings management and onsite disposal from operator;</p> <p>06/18/2019 - received a revised 'Construction Layout Drawings' and a 'Waste Management Plan' detailing cuttings management and onsite disposal; received additional wildlife analysis from CPW; conducted final technical review concerning the identified 'Director Objective Criteria' of location being within 'sensitive wildlife habitat' (SWH) area (mule deer critical winter range) and prepared 'Director Objective Criteria Review Summary' document within the context of SB19-181;</p> <p>06/19/2019 - attached the revised 'Construction Layout Drawings' and the 'Waste Management Plan' detailing cuttings management and onsite disposal; revised planned date of construction from 05/01/2019 to 06/24/2019 and added 'Drilling/Completions' BMPs to the Form 2A per operator request;</p>	05/20/2019
Permit	Date construction planned to commence needs corrected. All else good	05/16/2019
DOW	<p>This permit application is for a new FED/FED wellpad within mule deer critical winter range SWH. The annual winter timing restriction for construction, drilling, and completions supplied by the operator, along with the lease strips and COAs being implemented by the Bureau of Land Management, are sufficient to avoid and minimize impacts to wildlife. There are no additional recommendations being made by CPW at this time.</p> <p>Taylor Elm, April 1, 2019, 14:36</p>	04/01/2019
Permit	Passed completeness.	03/21/2019

Total: 7 comment(s)