

**FORM  
2A**Rev  
04/18**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:

401587501

Date Received:

03/29/2018

**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:

**461862**

Expiration Date:

**02/10/2022**☒ 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: 26580

Name: BURLINGTON RESOURCES OIL & GAS LP

Address: 925 N ELDRIDGE PARKWAY

City: HOUSTON    State: TX    Zip: 77079

**Contact Information**

Name: Jennifer Dixon

Phone: (832) 486-3345

Fax: ( )

email: jennifer.a.dixon@conocophillips.com

**FINANCIAL ASSURANCE**

- ☒ Plugging and Abandonment Bond Surety ID (Rule 706): 19920030    ☐ Gas Facility Surety ID (Rule 711): \_\_\_\_\_
- ☐ Waste Management Surety ID (Rule 704): \_\_\_\_\_

**LOCATION IDENTIFICATION**

Name: Crow 3-64 29-30    Number: \_\_\_\_\_

County: ADAMS

QuarterQuarter: NESE    Section: 29    Township: 3S    Range: 64W    Meridian: 6    Ground Elevation: 5537

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: 1510 feet FSL from North or South section line

390 feet FEL from East or West section line

Latitude: 39.757972    Longitude: -104.565921

PDOP Reading: 1.7    Date of Measurement: 04/16/2018

Instrument Operator's Name: Daniel Corriell

## 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>4</u>	Oil Tanks*	<u>7</u>	Condensate Tanks*	<u>      </u>	Water Tanks*	<u>2</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>4</u>	Separators*	<u>5</u>	Injection Pumps*	<u>      </u>	Cavity Pumps*	<u>      </u>	Gas Compressors*	<u>1</u>
Gas or Diesel Motors*	<u>      </u>	Electric Motors	<u>7</u>	Electric Generators*	<u>1</u>	Fuel Tanks*	<u>      </u>	LACT Unit*	<u>1</u>
Dehydrator Units*	<u>      </u>	Vapor Recovery Unit*	<u>2</u>	VOC Combustor*	<u>2</u>	Flare*	<u>1</u>	Pigging Station*	<u>1</u>

## OTHER FACILITIES\*

### Other Facility Type

### Number

Vapor Recovery Tower	1
Transformer	2
PLC	1
Propane Tank	1
Gas Lift Control Skid	1
Recycle Pump	1
Power Rack	1
Combustor Knock Out	2
Gas Sales Meter	2

\*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:

Future pipelines will consist of:  
4 inch Carbon Steel Gas Pipeline  
4 inch Carbon Steel Liquid Pipeline  
4 inch Composite Water Pipeline

The equipment indicated above may be installed for future use.

## CONSTRUCTION

Date planned to commence construction: 01/05/2019 Size of disturbed area during construction in acres: 20.40

Estimated date that interim reclamation will begin: 07/15/2019 Size of location after interim reclamation in acres: 10.70

Estimated post-construction ground elevation: 5533

## 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? Yes

## DRILLING WASTE MANAGEMENT PROGRAM

Drilling Fluids Disposal: OFFSITE

Drilling Fluids Disposal Method: Recycle/reuse

Cutting Disposal: OFFSITE

Cuttings Disposal Method: Commercial Disposal

Other Disposal Description:

Drilling cuttings will be taken by a certified transport company and disposed of at a certified facility.

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: Western Transport, LLC

Phone: 858-752-2582

Address: 625 E. Main Street

Fax:                     

Address: Suite 102B-303

Email:                     

City: Aspen State: CO Zip: 81611-1935

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                     

## 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:	3081 Feet	2934 Feet
Building Unit:	3081 Feet	2934 Feet
High Occupancy Building Unit:	5280 Feet	5280 Feet
Designated Outside Activity Area:	5280 Feet	5280 Feet
Public Road:	2685 Feet	2590 Feet
Above Ground Utility:	1419 Feet	996 Feet
Railroad:	2497 Feet	2425 Feet
Property Line:	402 Feet	626 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.
- 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: Ascalon-Platner

NRCS Map Unit Name: Truckton sandy loam, 1 to 3 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: \_\_\_\_\_

### 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: 1286 Feet

water well: 2869 Feet

Estimated depth to ground water at Oil and Gas Location 32 Feet

Basis for depth to groundwater and sensitive area determination:

Operator referenced water well Permit #41097

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 Storm Water Management Plan (SWMP) will be in place to address construction, drilling and operations associated with oil and gas development through the state of Colorado in accordance with CDPHE General Permit Rules.

Spill prevention control and countermeasure plan is in place to address construction, drilling and operations associated with oil and gas development throughout the state of Colorado in accordance with CFR 112.

The nearest water well is the Tupps CE and Ida AT Well (Permit# 41097) 2869' away and has a static water depth of 32'. The well is used for stock purposes.

Disturbance during initial construction is reflective of the limits of disturbance depicted on the attached Construction Layout Drawing.

Total initial disturbed acres will be approximately 12.7 comprising of:

- 6.2 acres of gravel pad (working area)
- 1.5 acres of drainage ditches
- .5 acres of sediment basin
- 1 acre for topsoil preservation
- 3.5 acres of spoils (pad will not be balanced to keep all facilities and wellheads in cut)

The remaining 7.7 acres of disturbance are to account equipment traffic for optimal spoil pile placement to accommodate future construction of Phase II of the facility

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

Signed: \_\_\_\_\_ Date: 03/29/2018 Email: jennifer.a.dixon@cop.com

Print Name: Jennifer Dixon Title: Regulatory Coordinator

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: 2/11/2019

## 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.

<b>COA Type</b>	<b>Description</b>
	Operator shall comply with 1000-Series Rules for Interim Reclamation. All areas not in use for production activities shall be reclaimed in accordance with the 1000-Series Rules within 6 months of the spud date for the approved well. In the event, additional operations are to occur within 12 months of the spud date, Operator shall submit a Rig Schedule showing a scheduled timeline of additional drilling operations via Form 4 Sundry. If additional drilling operations have not commenced at 12 months, Operator shall submit a Variance Request via Form 4 Sundry for compliance with additional bonding requirements as identified in the NTO for Interim Reclamation prior to the 12 month deadline.
	Operator shall comply with all requirements as set forth in the COGCC Notice to Operators for Interim Reclamation.

### **Best Management Practices**

<b>No</b>	<b>BMP/COA Type</b>	<b>Description</b>

### **Attachment Check List**

<b>Att Doc Num</b>	<b>Name</b>
1010435	SURFACE AGRMT/SURETY
401587501	FORM 2A SUBMITTED
401613557	ACCESS ROAD MAP
401613559	HYDROLOGY MAP
401613562	NRCS MAP UNIT DESC
401613576	LOCATION PICTURES
401613596	LOCATION DRAWING
401614282	MULTI-WELL PLAN

Total Attach: 8 Files

## General Comments

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>
Permit	Final Review Completed.	02/05/2019
Permit	Permitting Review Complete.	11/20/2018
OGLA	<p>With Operator concurrence, changed estimated depth to groundwater to 32 feet based on the static water level reported for DWR Water Well Permit #41097. Changed the basis statement to reflect DWR Permit #41097.</p> <p>Operator checking on the coordinates for APD Document #401587496 as it does not appear to be correctly aligned. - APD corrected</p> <p>Per Operator request, corrected Cultural Distances based on the nearest facility. SUA needs to be redacted. - Received - 06/20/2018</p> <p>OGLA Review Complete.</p>	06/11/2018
LGD	<p>1) Burlington Resources is currently engaged in a MOU agreement with Adams County, so the operator is eligible to apply for a local land use permit through the Administrative Use by Special Review process or Special Use Permit.</p> <p>2) Per the MOU, the applicant is required to submit to the COGCC Exhibit A of the MOU agreement between the Operator and Adams County to be included with the OGLA application for COGCC staff and public review.</p> <p>3) Per the MOU, the operator is required to hold a neighborhood meeting with residence located within ½ mile of the perimeter of the parcel prior to submitting an application with Adams County. Contact Adams County LGD for an address list.</p> <p>4) Per the MOU, upon request by the owner, the operator is required to provide baseline well water testing for residential water wells located within ½ mile of an oil and gas well or facility.</p> <p>5) Adams County is requesting that all onsite storage tanks be contained and lined to minimize the potential for infiltration of leaked and/or spilled materials.</p> <p>6) If all permitted wells are not drilled during the initial occupation of the well pad then interim reclamation should be implemented to minimize the disturbed surface areas when the wellpad is not occupied.</p> <p>7) If the applicant does not drill all the permitted wells during the initial occupation then a drilling plan should be provided to the County's LGD and made available to the public.</p>	05/29/2018
OGLA	Public comment period extended 10 days at the request of the Adams County LGD	05/24/2018
Permit	Passed Completeness.	05/17/2018
Permit	<p>Returned to draft for:</p> <ul style="list-style-type: none"> <li>- "Consultation &amp; Contact Info" tab: the box for "This location assessment is included as part of a permit application." is checked, but the "Related Forms" tab is blank</li> <li>- "Surface &amp; Minerals" tab: right to construct is listed as "Surface Use Agreement", but there is a Surface Surety ID provided as well?</li> <li>- Land Use is crop land so "Reference Area Pictures" are not necessary, but if you are going to include them then a "Reference Area Map" is required</li> <li>- "FACILITY LAYOUT DRAWING" attachment should be relabeled "Location Drawing"</li> </ul>	04/30/2018

Total: 7 comment(s)