

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:

400572719

Date Received:

03/18/2014

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:

437367

Expiration Date:

05/26/2017

☒ 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: PO BOX 4289

City: FARMINGTON State: NM Zip: 87499

Contact Information

Name: Justin Carlile

Phone: (281) 206-5770

Fax: (281) 647-1935

email: justin.carlile@conocophillips.com

RECLAMATION FINANCIAL ASSURANCE

☒ Plugging and Abandonment Bond Surety ID: 19920030 ☐ Gas Facility Surety ID: _____

☐ Waste Management Surety ID: _____

LOCATION IDENTIFICATION

Name: Sky Ranch 4-65 9-10 Number: 1H

County: ARAPAHOE

QuarterQuarter: NENE Section: 10 Township: 4S Range: 65W Meridian: 6 Ground Elevation: 5675

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: 660 feet FNL from North or South section line

350 feet FEL from East or West section line

Latitude: 39.723814 Longitude: -104.642000

PDOP Reading: 1.3 Date of Measurement: 08/19/2013

Instrument Operator's Name: Loren Shanks

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>1</u>	Oil Tanks	<u>3</u>	Condensate Tanks	<u> </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>	Temporary Large Volume Above Ground Tanks	<u> </u>
Pump Jacks	<u>1</u>	Separators	<u>1</u>	Injection Pumps	<u> </u>	Cavity Pumps	<u> </u>		
Gas or Diesel Motors	<u> </u>	Electric Motors	<u> </u>	Electric Generators	<u> </u>	Fuel Tanks	<u> </u>	Gas Compressors	<u>1</u>
Dehydrator Units	<u>1</u>	Vapor Recovery Unit	<u>1</u>	VOC Combustor	<u>1</u>	Flare	<u>1</u>	LACT Unit	<u>1</u>
								Pigging Station	<u>1</u>

OTHER FACILITIES

Other Facility Type

Number

Production Skid	<u>1</u>
Switch Rack	<u>1</u>

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 Oil pipeline
4.5 inch Fiberspar Water pipeline

The equipment indicated above may be installed for future use.

CONSTRUCTION

Date planned to commence construction: 06/25/2014 Size of disturbed area during construction in acres: 5.01
Estimated date that interim reclamation will begin: 09/25/2014 Size of location after interim reclamation in acres: 4.00
Estimated post-construction ground elevation: 5674

DRILLING PROGRAM

Will a closed loop system be used for drilling fluids: Yes
Is H₂S 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 disposal facility.

Beneficial reuse or land application plan submitted? No

Reuse Facility ID: _____ or Document Number: _____

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

SURFACE & MINERALS & RIGHT TO CONSTRUCT

Name: PCY Holdings LLC.

Phone: _____

Address: 1490 Lafayette St. Suite 203

Fax: _____

Address: _____

Email: _____

City: Denver State: CO Zip: 80218

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 _____

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

Distance to nearest:

Building: 4690 Feet
Building Unit: 4690 Feet
High Occupancy Building Unit: 5280 Feet
Designated Outside Activity Area: 5280 Feet
Public Road: 342 Feet
Above Ground Utility: 326 Feet
Railroad: 5280 Feet
Property Line: 350 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.

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: _____

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: Weld-Deertrail silt loams, 0 to 3 percent slopes

NRCS Map Unit Name: Adena-Colby silt loams, 1 to 5 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: 700 Feet

water well: 2100 Feet

Estimated depth to ground water at Oil and Gas Location 18 Feet

Basis for depth to groundwater and sensitive area determination:

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: _____

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 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

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

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

Signed: _____ Date: 03/18/2014 Email: justin.carlile@conocophillips.com

Print Name: Justin Carlile Title: Regulatory Specialist

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: 5/27/2014

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

	Operator will implement best management practices that address the timing and planning of mobilization, hauling, construction, drilling, and completion operations to minimize conflicts with school buses.
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Best Management Practices

No BMP/COA Type

Description

1	Planning	Water Supply and Quality. In an effort to reduce truck traffic, where feasible, the Operator will identify a water source lawfully available for industrial use, including oil and gas development, close to the facility location, to be utilized by Operator and its suppliers. Operator will comply with the Colorado Department of Public Health and Environment requirements concerning water quality. Where feasible, temporary surface water lines are encouraged and will be utilized. Operator may be permitted to utilize County Road Right-of-Way, and County drainage culverts, where practical, for the laying and operation of temporary water lines on the surface. If necessary, operator will bury temporary water lines at existing driveway and gravel road crossings, or utilize existing culverts, if available. No available water sources within one half mile: If there are no available water sources located within a 1/2 mile radius of a new oil and gas facility, the Operator will test the nearest downgradient available water source that is within a one-mile of the oil and gas facility.
2	General Housekeeping	Painting of Oil and Gas Facilities. Except for such facilities that must be painted a certain color for safety reasons, Operator agrees to paint all new (post-MOU) production facilities with uniform, non-contrasting, non-reflective color tones and with colors matched to, but slightly darker, than surrounding landscapes.
3	General Housekeeping	Lighting. All permanent lighting of oil and gas well sites shall be directed downward and internally. Temporary lighting shall conform to the Commission's Rules and Regulations.
4	Storm Water/Erosion Control	Berms shall be inspected by Operator on a weekly basis for evidence of discharge. Berms shall be inspected within 48 hours of a precipitation event.
5	Material Handling and Spill Prevention	Spill and Release Management. Any spill or release that is reportable to the Commission shall be simultaneously reported to the County.
6	Noise mitigation	Noise. Operator shall provide and post 24-hour, 7 days per week contact information to deal with all noise complaints arising from Operator's oil and gas facilities.

Total: 6 comment(s)

Attachment Check List

<u>Att Doc Num</u>	<u>Name</u>
1668175	ARAPAHOE COUNTY MOU
1668220	CORRESPONDENCE
400572719	FORM 2A SUBMITTED
400573612	NRCS MAP UNIT DESC
400573613	ACCESS ROAD MAP
400573614	CONST. LAYOUT DRAWINGS
400573615	HYDROLOGY MAP
400573616	LOCATION DRAWING
400573618	LOCATION PICTURES
400573620	REFERENCE AREA MAP
400573621	REFERENCE AREA PICTURES
400573623	NRCS MAP UNIT DESC
400573626	FACILITY LAYOUT DRAWING

Total Attach: 13 Files

General Comments

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>
Final Review	Added COA to minimize conflict with school bus routes, if applicable, as requested by LGD. Other issues addressed by operator BMPs.	5/27/2014 4:43:21 PM
Permit	LGD comments addressed by oper. BMP's. No public comments. Final Review--passed.	5/27/2014 7:43:45 AM
LGD	<p>These COAs are from previously approved Form 2As</p> <ol style="list-style-type: none"> 1. The Operator shall post 24-hour company contact information at the intersection of the access road and the public road for noise and other complaints. 2. The Operator shall concurrently submit copies of any Form 19 submitted to COGCC for this well or its production facilities to Arapahoe County. 3. The Operator will implement best management practices that address the timing and planning of mobilization, hauling, construction, drilling, and completion operations to minimize conflicts with school buses. 4. The Operator will direct lights downward or use light shielding equipment except where safety is potentially compromised. <p>Exhibit A of the Arapahoe County MOU will be attached to the approved Form 2A for this well.</p>	4/7/2014 3:26:01 PM
Permit	Added related APD.	3/27/2014 3:22:26 PM
OGLA	Please provide the MOU with Arapahoe County under the "Operator BMPs."	3/27/2014 10:09:31 AM
OGLA	Changed nearest building distance to 4690 (from 4770). The nearest building is the building unit located approximately 4690 feet to the south.	3/27/2014 10:08:07 AM
OGLA	Added Production Skid and Switch Rack to "Other Facilities" tab.	3/27/2014 10:07:39 AM
Permit	This form has passed completeness.	3/19/2014 11:49:17 AM

Total: 8 comment(s)