

FORM
2A

Rev
04/01

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:

400420243

Date Received:

05/21/2013

Oil and Gas Location Assessment

☒ New Location ☐ Amend Existing Location Location#: _____

Submit original plus one copy. This form is to be submitted to the COGCC prior to any ground disturbance activity associated with oil and gas development operations. This Assessment may be approved as a standalone application or submitted as an informational report accompanying an Application for Permit-To-Drill, Form 2. Approval of this 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. This form may serve as notice to land owners and other interested parties, please see the COGCC web site at <http://colorado.gov/cogcc/> for all accompanying information pertinent to this Oil and Gas Location Assessment.

Location ID:

433616

Expiration Date:

07/20/2016

☒ This location assessment is included as part of a permit application.

1. 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.

2. Operator

Operator Number: 19160

Name: CONOCO PHILLIPS COMPANY

Address: P O BOX 2197

City: HOUSTON State: TX Zip: 77252-2197

3. Contact Information

Name: Justin Carlile

Phone: (281) 293-1499

Fax: (432) 688-6019

email: justin.carlile@conocophillips.com

4. Location Identification:

Name: Tebo 4 Number: 1H

County: ARAPAHOE

QuarterQuarter: SWSW Section: 4 Township: 5S Range: 64W Meridian: 6 Ground Elevation: 5888

Define a single point as a location reference for the facility location. This point should be used as the point of measurement in the drawings to be submitted with this application. When the location is to be used as a well site then the point shall be a well location.

Footage at surface: 900 feet FSL, from North or South section line, and 250 feet FWL, from East or West section line.

Latitude: 39.640256 Longitude: -104.565450 PDOP Reading: 1.9 Date of Measurement: 02/27/2012

Instrument Operator's Name: Robert Kay

5. Facilities (Indicate the number of each type of oil and gas facility planned on location):

Special Purpose Pits: <input type="text"/>	Drilling Pits: <input type="text"/>	Wells: <input type="text" value="1"/>	Production Pits: <input type="text"/>	Dehydrator Units: <input type="text"/>
Condensate Tanks: <input type="text" value="1"/>	Water Tanks: <input type="text" value="1"/>	Separators: <input type="text" value="2"/>	Electric Motors: <input type="text"/>	Multi-Well Pits: <input type="text"/>
Gas or Diesel Motors: <input type="text"/>	Cavity Pumps: <input type="text"/>	LACT Unit: <input type="text"/>	Pump Jacks: <input type="text" value="1"/>	Pigging Station: <input type="text"/>
Electric Generators: <input type="text"/>	Gas Pipeline: <input type="text" value="1"/>	Oil Pipeline: <input type="text" value="1"/>	Water Pipeline: <input type="text" value="1"/>	Flare: <input type="text" value="1"/>
Gas Compressors: <input type="text"/>	VOC Combustor: <input type="text" value="1"/>	Oil Tanks: <input type="text" value="3"/>	Fuel Tanks: <input type="text"/>	

Other: _____

6. Construction:

Date planned to commence construction: 09/15/2013 Size of disturbed area during construction in acres: 5.57
Estimated date that interim reclamation will begin: 09/01/2015 Size of location after interim reclamation in acres: 4.50
Estimated post-construction ground elevation: 5883 Will a closed loop system be used for drilling fluids: Yes ☒
Will salt sections be encountered during drilling: Yes ☐ No ☒ Is H2S anticipated? Yes ☐ No ☒
Will salt (>15,000 ppm TDS Cl) or oil based muds be used: Yes ☒ No ☐
Mud disposal: Offsite ☒ Onsite ☐ Method: Land Farming ☐ Land Spreading ☐ Disposal Facility ☒
Other: _____

7. Surface Owner:

Name: _____ Phone: _____
Address: _____ Fax: _____
Address: _____ Email: _____
City: _____ State: _____ Zip: _____ Date of Rule 306 surface owner consultation: _____
Surface Owner: ☒ Fee ☐ State ☐ Federal ☐ Indian
Mineral Owner: ☒ Fee ☐ State ☐ Federal ☐ Indian
The surface owner is: ☒ the mineral owner ☒ committed to an oil and gas lease
☒ is the executer of the oil and gas lease ☐ the applicant
The right to construct the location is granted by: ☒ oil and gas lease ☐ Surface Use Agreement ☐ Right of Way
☐ applicant is owner
Surface damage assurance if no agreement is in place: ☐ \$2000 ☐ \$5000 ☐ Blanket Surety ID _____

8. Reclamation Financial Assurance:

☒ Well Surety ID: 20100227 ☐ Gas Facility Surety ID: _____ ☐ Waste Mgnt. Surety ID: _____

9. Cultural:

Is the location in a high density area (Rule 603.b.): Yes ☐ No ☒
Distance, in feet, to nearest building: 786, public road: 885, above ground utility: 336,
railroad: 39392, property line: 250

10. 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

11. 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

12. Soils:

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.gov/> 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: Adena-Colby silt loams, 1 to 5 percent slopes

NRCS Map Unit Name: _____
NRCS Map Unit Name: _____

13. 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): _____

14. Water Resources:

Rule 901.e. may require a sensitive area determination be performed. If this determination is performed the data is to be submitted with the Form 2A.

Is this a sensitive area: ☒ No ☐ Yes Was a Rule 901.e. Sensitive Areas Determination performed: ☒ No ☐ Yes
Distance (in feet) to nearest surface water: 1250, water well: 958, depth to ground water: 160
Is the location in a riparian area: ☒ No ☐ Yes Was an Army Corps of Engineers Section 404 permit filed ☒ No ☐ Yes
Is the location within a Rule 317B Surface Water Supply Area buffer zone:
☒ No ☐ 0-300 ft. zone ☐ 301-500 ft. zone ☐ 501-2640 ft. 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: ☒ No ☐ Yes

15. Comments:

Water Well: Owned by University of Denver, Top: 220, Bottom: 300, Static level: 160. 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: 05/21/2013 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: 7/21/2013

**CONDITIONS OF
APPROVAL, IF ANY:**

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.

These COAs were coordinated with the Arapahoe County LGD and were accepted by the operator. They are from previously approved Form 2As. These COAs are independent of agreements between the operator and the county.

1. Operator shall post 24-hr company contact information at the intersection of the access road and public road for noise and other complaints.
2. Operator shall concurrently submit copies of any Form 19 submitted to COGCC for this well or its production facilities to the Arapahoe County LGD.
3. 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. Operator will direct lights downward or use light shielding except where safety is potentially compromised.

Surficial soils at the proposed location are fine-grained eolian deposits and are sparsely vegetated. Disturbed soil and stockpiles will be vulnerable to wind and water erosion. Operator shall implement site-specific BMPs to minimize windblown soil, and sediment runoff. The measures may include, but are not limited to: site grading, application of binders/tackifiers, or other comparable measures.

Attachment Check List

Att Doc Num	Name
400420243	FORM 2A SUBMITTED
400421651	LOCATION PICTURES
400421652	LOCATION DRAWING
400421655	HYDROLOGY MAP
400421657	ACCESS ROAD MAP
400421658	REFERENCE AREA MAP
400421660	REFERENCE AREA PICTURES
400421661	NRCS MAP UNIT DESC
400421662	CONST. LAYOUT DRAWINGS
400421673	OTHER

Total Attach: 10 Files

General Comments

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>
Permit	Final review completed. There are LGD comments.	7/9/2013 3:07:16 PM
LGD	<p>1. Operator shall post 24-hr company contact information at the intersection of the access road and public road for noise and other complaints.</p> <p>2. Operator shall concurrently submit copies of any Form 19 to COGCC for this well or its production facilities to the Arapahoe County LGD.</p> <p>3. 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.</p> <p>4. Operator will direct lights downward or use light shielding except where safety would be potentially compromised.</p>	6/11/2013 4:10:47 PM
OGLA	COGA voluntary groundwater testing program BMP removed from form, operator will conduct groundwater sampling and monitoring in accordance with Rule 609. distance to ephemeral drainage is 1,250 feet on hydrology map. Operator agreed to COA and surface water distance via email. ok to pass	5/29/2013 4:49:52 PM

Total: 3 comment(s)

BMP

<u>Type</u>	<u>Comment</u>