

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:

400405603

Date Received:

05/15/2013

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:

433581

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: Youngberg 10-11 Number: 1H

County: ARAPAHOE

Quarter: NESE Section: 11 Township: 4S Range: 64W Meridian: 6 Ground Elevation: 5673

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: 1320 feet FSL, from North or South section line, and 255 feet FEL, from East or West section line.

Latitude: 39.713039 Longitude: -104.509497 PDOP Reading: 1.3 Date of Measurement: 10/04/2012

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" value="1"/>
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" value="1"/>	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" value="1"/>	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: 06/01/2013 Size of disturbed area during construction in acres: 4.34
 Estimated date that interim reclamation will begin: 10/11/2014 Size of location after interim reclamation in acres: 4.00
 Estimated post-construction ground elevation: 5672 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: 1309, public road: 2077, above ground utility: 335,
 railroad: 15734, property line: 255

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 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: Nunn-Bresser-Ascalon complex 0 to 3 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: 1626, water well: 1100, depth to ground water: 500
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 Suppl 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:

Cuttings will be taken be a certified transporter and disposed of at a certified disposal facility. The Barber water well (referenced to the Depth to ground water above) only contains information from the application with that depth being 500 ft., there is no other information provided.

I hereby certify that the statements made in this form are, to the best of my knowledge, true, correct and complete.
Signed: _____ Date: 05/15/2013 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. The request for baseline water testing by the County (item #2) is not a COA due to Rule 609 and reported agreements between the County and the operator.

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.
5. Operator will comply with the Visual Impact Mitigation rule (Rule 804) due to the proximity of well traveled roads to the proposed location.

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
400405603	FORM 2A SUBMITTED
400418804	NRCS MAP UNIT DESC
400418805	LOCATION PICTURES
400418807	LOCATION DRAWING
400418809	HYDROLOGY MAP
400418811	ACCESS ROAD MAP
400418813	REFERENCE AREA MAP
400418815	CONST. LAYOUT DRAWINGS
400418820	REFERENCE AREA PICTURES

Total Attach: 9 Files

General Comments

User Group	Comment	Comment Date
Permit	Final review completed. No LGD and public comments.	7/9/2013 12:42:29 PM
LGD	<p>The County requests incorporation of the following into the approved Form 2A:</p> <p>1) The applicant will be responsible for dust control on the access road and well site.</p> <p>2) The Applicant will do baseline water quality sampling and analysis of any water wells within a 1/2 mile of the oil and gas well if requested by the water well owner and if not already sampled.</p> <p>3) The Applicant will have all lights during the drilling phase directed in a downward position.</p> <p>4) The Applicant will use a closed-loop system.</p> <p>5) The Applicant will be responsible for noxious weed control on any disturbed area from the construction phase to the closure of the well or facility.</p> <p>6) The Applicant will post 24-hour company contact information at the intersection of the access road and the public road.</p> <p>7) The Applicant and contractors will time and plan mobilization, hauling, and construction to minimize conflicts with school buses.</p> <p>8) The Applicant will submit copies of any Form 19 submitted to COGCC for this well or production facility to the County LGD.</p>	6/3/2013 11:25:58 AM
OGLA	<p>email sent to operator for changing sensitive area designation and groundwater sampling per Rule 609.</p> <p>Per operator email instructions, sensitive area changed to "yes", COGA volunteer testing program BMP removed from form, operator will conduct groundwater sampling and monitoring in accordance with Rule 609.</p> <p>Operator agreed to COA via email</p>	5/28/2013 10:55:34 AM
Permit	Operator corrected QtrQtr. This form has passed completeness.	5/16/2013 12:37:54 PM
Permit	Returned to draft. The QtrQtr does not match the SHL footages.	5/16/2013 6:30:52 AM

Total: 5 comment(s)

BMP

<u>Type</u>	<u>Comment</u>
Site Specific	COGA voluntary groundwater testing BMP removed - operator will conduct groundwater sampling in accordance with Rule 609.

Total: 1 comment(s)