

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:

2516360

Date Received:

12/21/2012

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:

431480

Expiration Date:

01/29/2016

☒ 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: 10422

Name: PRONGHORN OPERATING LLC

Address: 8400 E PRENTICE AVENUE #1000

City: GREENWOOD VILLAGE State: CO Zip: 80111

3. Contact Information

Name: ZANE KUENZLER

Phone: (720) 261-2019

Fax: (303) 220-0795

email: ZANEKUENZLER@KFRRCORP.COM

4. Location Identification:

Name: SILVER HEELS Number: 1

County: CHEYENNE

QuarterQuarter: SENW Section: 9 Township: 13S Range: 46W Meridian: 6 Ground Elevation: 4588

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: 1984 feet FNL, from North or South section line, and 2013 feet FWL, from East or West section line.

Latitude: 38.934770 Longitude: -102.568000 PDOP Reading: 2.1 Date of Measurement: 10/18/2012

Instrument Operator's Name: KEITH WESTFALL

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

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

Other: PUMPJACK AND TANKS WOULD ONLY BE NLOCATED SHOULD PRODUCTION BE ESTABLISHED.

6. Construction:

Date planned to commence construction: 02/01/2013 Size of disturbed area during construction in acres: 3.00
Estimated date that interim reclamation will begin: 08/01/2013 Size of location after interim reclamation in acres: 1.50
Estimated post-construction ground elevation: 4590 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: MUD DRIED AND BURIED
ONSITE

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: 20120060 ☐ 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: 4585, public road: 5280, above ground utilit: 5280
, railroad: 5280, property line: 1984

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: WILEY COMPLEX, 0-3% SLOPES, UNIT #54

NRCS Map Unit Name: SATANTA-COLBY COMPLEX, 3-5% SLOPES, UNIT #39

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: 10/01/2012

List individual species: Canadian Thistle, Cheatgrass

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: 677, water well: 9228, depth to ground water: 107

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:

TOPOGRAPHY OVERLAY INDICATE SURFACE WATER 677' NORTH OF THE WELLSITE. NO WATER IS PRESENT AT THAT LOCATION. THERE IS A POND 6189' TO THE SOUTHWEST.

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

Signed: Date: 11/30/2012 Email: ZANEKUENZLER@KFRCCORP.COM

Print Name: ZANE KUENZLER Title: PRESIDENT

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: 1/30/2013

**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.

The operator shall implement BMPs to protect the nearby intermittent channel from fluids associated with drilling operations and to control stormwater runoff in a manner that minimizes erosion, migration of sediment offsite, and site degradation.

The planned access roads cross the Smokey Hill River channel or feeder channels. Site specific BMPs in accordance with good engineering practices must be implemented if alterations (such as culvert installation or grading/leveling) are made to the channels at the crossings.

Attachment Check List

Att Doc Num	Name
2086179	CORRESPONDENCE
2086180	CORRESPONDENCE
2516360	FORM 2A SUBMITTED
2516361	WELL LOCATION PLAT
2516362	LOCATION DRAWING
2516363	HYDROLOGY MAP
2516364	ACCESS ROAD MAP
2516365	REFERENCE AREA MAP
2516366	LOCATION PICTURES
2516367	OTHER
2516368	NRCS MAP UNIT DESC
2516369	NRCS MAP UNIT DESC

Total Attach: 12 Files

General Comments

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>
Permit	Operator provided the SUA and attached to the well APD.	1/29/2013 11:21:24 AM
Permit	Final review completed; no LGD or public comment received.	1/24/2013 6:13:53 AM
OGLA	form updated per operator email, reference photos are included in location photos attachment	1/15/2013 11:55:27 AM
Agency	email to operator requesting mud disposal plans, verify land use is improved pasture, add plant community if non-crop land	1/14/2013 11:57:48 AM
Permit	operator provided corrections and authorization to amend form 2A. This form passed completeness. from: Zane Kuenzler to: "Reckles - DNR, Nikki" date: Thu, Dec 27, 2012 at 1:13 AM subject: Re: RTD: Document Nos. 2516360	12/30/2012 10:44:50 PM
Permit	Return to draft: 1. plugging surety bond # is incomplete, 2. construction section is incomplete (H2S anticipated, closed loop system utilized, will salt/oil based muds be used?), 3. water resources section is incomplete (distance to nearest surface water, Army Corp. 404 permit?). Note: location pictures contain reference area pictures.	12/24/2012 7:21:01 PM
Data Entry	8. DISTANCE TO NEAREST SURFACE WATER, ARMY CORP OF ENGINEER SEC 404 ARE BOTH REQUIRED. NO ENTERED FOR CORP OF ENGINEER AND "1" ENTERED FOR DISTANCE TO SURFACE WATER FOR SUBMISSION.	12/24/2012 9:53:14 AM

Total: 7 comment(s)

BMP

<u>Type</u>	<u>Comment</u>
Site Specific	We would plan any permanent access roads to cause the least damage and go around the Smoky Hill channel proper if at all possible.
Site Specific	The operator shall implement BMPs to protect the nearby intermittent channel from fluids associated with drilling operations and to control stormwater runoff in a manner that minimizes erosion, migration of sediment offsite, and site degradation.

Total: 2 comment(s)