

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:

400351875

Date Received:

11/29/2012

## Oil and Gas Location Assessment

New Location       Amend Existing Location      Location#: 429606

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:

**429606**

Expiration Date:

**12/25/2015**

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 State: CO Zip: 80111  
VILLAGE

### 3. Contact Information

Name: Jacob Flora  
 Phone: (720) 988-5375  
 Fax: ( )  
 email: jakeflora@kfrcorp.com

### 4. Location Identification:

Name: Hoffman-Busby Number: 1-24  
 County: CHEYENNE  
 Quarter: SENE Section: 24 Township: 14S Range: 45W Meridian: 6 Ground Elevation: 4296

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: 1500 feet FNL, from North or South section line, and 660 feet FEL, from East or West section line.  
 Latitude: 38.823070 Longitude: -102.390880 PDOP Reading: 2.7 Date of Measurement: 05/31/2012  
 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="checkbox"/> <u>1</u>	Wells: <input type="checkbox"/> <u>1</u>	Production Pits: <input type="checkbox"/>	Dehydrator Units: <input type="checkbox"/>
Condensate Tanks: <input type="checkbox"/>	Water Tanks: <input type="checkbox"/>	Separators: <input type="checkbox"/>	Electric Motors: <input type="checkbox"/> <u>1</u>	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="checkbox"/> <u>1</u>	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="checkbox"/> <u>2</u>	Fuel Tanks: <input type="checkbox"/>	

Other: NONE

### 6. Construction:

Date planned to commence construction: 01/01/2013 Size of disturbed area during construction in acres: 3.00  
Estimated date that interim reclamation will begin: 06/01/2013 Size of location after interim reclamation in acres: 1.00  
Estimated post-construction ground elevation: 4296 Will a closed loop system be used for drilling fluids: Yes  No   
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: DRY & BURY

### 7. Surface Owner:

Name: \_\_\_\_\_ Phone: \_\_\_\_\_  
Address: \_\_\_\_\_ Fax: \_\_\_\_\_  
Address: \_\_\_\_\_ Email: \_\_\_\_\_  
City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_ Date of Rule 306 surface owner consultation: 12/02/2012  
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: 1797, public road: 550, above ground utilit: 1600  
, railroad: 3619, property line: 660

### 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: MAP UNIT DESCRIPTION #39 SATANTA COLBY COMPLEX 3 TO 5 PERCENT SLOPES

NRCS Map Unit Name: MAP UNIT DESCRIPTION #54 WILEY COMPLEX 0 TO 3 PERCENT SLOPES  
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: 781, water well: 1652, depth to ground water: 312  
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

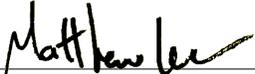
**15. Comments:**

There is an apparent surface water area approximately 781' north of the well pad. No construction layout drawings needed (slopes < 10 %). No apparent improvements within 400' of well pad.

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

Signed: \_\_\_\_\_ Date: 11/29/2012 Email: jakeflora@kfrcorp.com  
Print Name: Jacob Flora Title: Petroleum Engineer

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: 12/26/2012

**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.

**Attachment Check List**

Att Doc Num	Name
400351875	FORM 2A SUBMITTED

Total Attach: 1 Files

**General Comments**

<b><u>User Group</u></b>	<b><u>Comment</u></b>	<b><u>Comment Date</u></b>
Permit	Final review completed; no LGD or public comment received.	12/26/2012 9:52:20 AM
OGLA	Per Operator: BMPs provided in attachment by previous operator (Doc #400297120) will be adhered to, with the following exceptions: 1. Pre-Construction; Preparation of a Stormwater Pollution Prevention Plan. Acquisition of a Stormwater Discharge Permit. 2. Drilling/Completion Operations; Implement Stormwater Pollution Prevention Plan, including inspections,, 3. General Housekeeping; During production operations , the lease is inspected daily by MDC personnel 4. Material Handling & Spill Prevention; During production operations, implementation of Spill Prevention, COntrol & Countermeasure Plan & daily inspection 5. Stormwater/Erosion Control; During drilling/comp ops, implementation of SW Pollution Prevention Plan' 6. Stormwater/Erosion Control; During prod ops, implementation of MDCs post construction SW Management Plan 7. Wildlife; Developement & implementation of a Wildlife Management Plan if protected species are present  Remaining BMPs were added to the BMP tab.	12/26/2012 8:03:53 AM
OGLA	Per Operator: No changes were made to the original Form 2A and attachments were made. No attachments are required.	12/26/2012 7:50:05 AM
OGLA	Per Operator: "The original pits are still open and Mull knows not to backfill as we will be using the same pits, covering the same footprint. The re-entry operation will use minimal drilling mud and so the original pits will be more than adequate for our operations."	12/26/2012 7:49:16 AM
Permit	The form 5 and 6 for Mull has been approved. This form 2 and 2A can now be approved.	12/26/2012 7:16:46 AM
OGLA	reviewed. correspondence to operator for drilling pit location, attachment information, BMPs	12/18/2012 1:43:20 PM
Permit	The form 2A is being submitted with this APD to facilitate the change of operator for this facility location.	11/30/2012 10:51:20 AM
Permit	This well is a re-entry of a Mull Drilling well. The well was just drilled and plugged. Form 5 and form 6 for the Mull well have not been approved yet. They are being expedited so this permit and the for 2 re-entry can be approved.	11/30/2012 10:43:52 AM

Total: 8 comment(s)

## BMP

<u>Type</u>	<u>Comment</u>
Pre-Construction	<ul style="list-style-type: none"><li>• Consultation with the surface landowner or appointed agent</li><li>• Finalize access routes</li><li>• Finalize well pad location to minimize surface grade impacts</li><li>• Finalize well pad layout to minimize disturbances</li></ul>
Construction	<ul style="list-style-type: none"><li>• Access road, well pad and pit disturbances minimized</li><li>• Soils segregated by type to facilitate reclamation</li><li>• Storm water controls deployed and routinely inspected</li></ul>
Drilling/Completion Operations	<ul style="list-style-type: none"><li>• locate tank batteries at safe distance from public roadways and railhead</li><li>• Full containment for stock tanks and separators</li><li>• Installation of pipelines in common trenches when practical</li><li>• Installation of pipelines at right angles to water bodies (drainages, wetlands, perennial water bodies) where practical</li></ul>
General Housekeeping	<ul style="list-style-type: none"><li>• Drilling and production operations conducted in safe, workmanlike manner. Safety expectations include good housekeeping</li><li>• During drilling/completion operations, debris stored in caged container which is removed from the site.</li></ul>
Material Handling and Spill Prevention	<ul style="list-style-type: none"><li>• During drilling/completion operations, storage areas graded towards pit</li><li>• All stock and produced water tanks have secondary containment</li></ul>
Storm Water/Erosion Control	<ul style="list-style-type: none"><li>• Following drilling/completion operations, prompt reclamation of disturbed areas</li></ul>
Interim Reclamation	<ul style="list-style-type: none"><li>• Debris and waste material removed</li><li>• Areas not in use reclaimed promptly; pits closed using segregated material; well pad and other compacted surfaces ripped</li><li>• Noxious weeds controlled</li></ul>
Final Reclamation	<ul style="list-style-type: none"><li>• All equipment and debris removed</li><li>• All remaining disturbed areas, including access roads, reclaimed</li><li>• Noxious Weed Control Plan developed if appropriate</li></ul>
Site Specific	Per ephemeral stream 781 feet north of proposed well pad - structural practices will be implemented at the site to minimize erosion and sediment transport. Practices may include but are not limited to: straw bales, wattles/sediment control logs, silt fences, earth dikes, drainage swales, sediment traps, subsurface drains, pipe slope drains, inlet protection, outlet protection, gabions, and temporary sediment basins.
Site Specific	Drilling pits for re-entry will be constructed in same location as those previously used for drilling.

Total: 10 comment(s)