

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:

400337555

Date Received:

10/23/2012

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:

430828

Expiration Date:

11/19/2015

☒ 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: 10276

Name: PINE RIDGE OIL & GAS LLC

Address: 600 17TH ST STE 800S

City: DENVER State: CO Zip: 80202

3. Contact Information

Name: PAUL GOTTLÖB

Phone: (303) 226-1316

Fax: (303) 226-1301

email: paul.gottlob@cometridgeresources.com

4. Location Identification:

Name: BUSYGULLY Number: 13-54-12-3

County: LINCOLN

QuarterQuarter: NENW Section: 12 Township: 13S Range: 54W Meridian: 6 Ground Elevation: 4843

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: 1072 feet FNL, from North or South section line, and 1359 feet FWL, from East or West section line.

Latitude: 38.933676 Longitude: -103.399755 PDOP Reading: 1.2 Date of Measurement: 10/17/2012

Instrument Operator's Name: ALAN HNIZDO

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" value="1"/>	Wells: <input type="text" value="1"/>	Production Pits: <input type="text"/>	Dehydrator Units: <input type="text"/>
Condensate Tanks: <input type="text"/>	Water Tanks: <input type="text" value="2"/>	Separators: <input type="text" value="1"/>	Electric Motors: <input type="text"/>	Multi-Well Pits: <input type="text"/>
Gas or Diesel Motors: <input type="text" value="1"/>	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" value="1"/>	Gas Pipeline: <input type="text"/>	Oil Pipeline: <input type="text"/>	Water Pipeline: <input type="text"/>	Flare: <input type="text" value="1"/>
Gas Compressors: <input type="text"/>	VOC Combustor: <input type="text"/>	Oil Tanks: <input type="text" value="2"/>	Fuel Tanks: <input type="text"/>	

Other: _____

6. Construction:

Date planned to commence construction: 11/24/2012 Size of disturbed area during construction in acres: 2.00
 Estimated date that interim reclamation will begin: 02/24/2013 Size of location after interim reclamation in acres: 1.00
 Estimated post-construction ground elevation: 4843 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: Evaporation and burial

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: 20080134 ☐ 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: 1282, public road: 1045, above ground utilit: 1033
 , railroad: 5280, property line: 1072

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: VALENT SAND, 3 to 20 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: 10/17/2012

List individual species: Sand bluestem, Prairie sandreed, Blue grama, Needleandthread, Switchgrass, Sand sagebrush, Indian ricegrass, Little bluestem, Sideoats grama, Yellow Indiangrass.

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: 793, water well: 1299, depth to ground water: 33

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:

Pit liner will be used. SUA and Rule 305e and 306 have been sent to Surface Owner and will be submitted upon return.

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

Signed: _____ Date: 10/23/2012 Email: paul.gottlob@cometridgeresources.com

Print Name: PAUL GOTTLOB Title: Sr. Engineering Tech.

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: Matthew Lee Director of COGCC Date: 11/20/2012

**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.

Location is in a sensitive area because of shallow groundwater; therefore, either a lined drilling pit or closed loop system is required.

Attachment Check List

Att Doc Num	Name
2518040	SURFACE AGRMT/SURETY
2518041	CONSULT NOTICE
400337555	FORM 2A SUBMITTED
400337654	PROPOSED BMPs
400338187	MINERAL LEASE MAP
400338192	ACCESS ROAD MAP
400338194	HYDROLOGY MAP
400338197	LOCATION DRAWING
400338200	LOCATION PICTURES
400338202	CONST. LAYOUT DRAWINGS
400338203	REFERENCE AREA MAP
400338204	REFERENCE AREA PICTURES
400338205	CONST. LAYOUT DRAWINGS
400338206	CONST. LAYOUT DRAWINGS
400338210	OTHER
400338211	HYDROLOGY MAP
400338212	OTHER
400338213	NRCS MAP UNIT DESC
400338214	NRCS MAP UNIT DESC
400338216	NRCS MAP UNIT DESC

Total Attach: 20 Files

General Comments

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>
Final Review	Changed distance to Railroad from 7 (miles) to 5280 (feet > 1 mile).	11/20/2012 4:15:06 PM
Permit	Final review completed; no LGD or public comment received.	11/16/2012 11:02:53 AM
OGLA	Operator acknowledged the lined pit COA due to the presence of shallow ground water	10/31/2012 2:02:45 PM
Permit	Final review completed.	10/31/2012 7:35:28 AM
Permit	Updated permit with SUA and notification waiver. SUA does not have the signature of the surface owner.	10/31/2012 7:34:23 AM
Permit	Removed surface bond since the surface owner is the mineral owner and signature is on lease.	10/25/2012 7:36:42 AM
LGD	PASSED BY LGD	10/24/2012 3:11:11 PM
Permit	Operator amended plugging and surface bond surety ID's and completed plant species section. This form passed completeness.	10/24/2012 2:17:16 PM
Permit	Return to draft: 1. plugging bond surety ID is incorrect, 2. surface bond surety ID is incorrect.	10/23/2012 2:40:31 PM
Permit	Rerturn to draft: 1. surface bond surety ID is incorrect, it is a plugging bond, 2. plant species from section is incomplete.	10/23/2012 2:16:22 PM

Total: 10 comment(s)

BMP

<u>Type</u>	<u>Comment</u>
Drilling/Completion Operations	See attachment

Total: 1 comment(s)