

FORM
2A

Rev
04/01

State of Colorado
Oil and Gas Conservation Commission

1120 Lincoln Street, Suite 801, Denver, Colorado 80205 Phone: (303) 894-2100 Fax: (303) 894-2109



DE ET OE ES

Document Number:
400097171

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 stand alone 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:

Expiration Date:

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: 10079
Name: ANTERO RESOURCES PICEANCE CORPORATION
Address: 1625 17TH ST STE 300
City: DENVER State: CO Zip: 80202

3. Contact Information

Name: Hannah Knopping
Phone: (303) 357-6412
Fax: (303) 357-7315
email: hknopping@anteroresources.com

4. Location Identification:

Name: Monument Ridge Pad Number: _____
County: GARFIELD
QuarterQuarter: SESE Section: 18 Township: 7S Range: 95W Meridian: 6 Ground Elevation: 5441

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: 283 feet, from North or South section line: FSL and 824 feet, from East or West section line: FEL

Latitude: 39.431202 Longitude: -108.033248 PDOP Reading: 3.0 Date of Measurement: 09/17/2010

Instrument Operator's Name: Elwood Barry Giles

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

Special Purpose Pits: Drilling Pits: Wells: Production Pits: Dehydrator Units:
Condensate Tanks: Water Tanks: Separators: Electric Motors: Multi-Well Pits:
Gas or Diesel Motors: Cavity Pumps: LACT Unit: Pump Jacks: Pigging Station:
Electric Generators: Gas Pipeline: Oil Pipeline: Water Pipeline: Flare:
Gas Compressors: VOC Combustor: Oil Tanks: Fuel Tanks:

Other: Note: Gas, oil and water pipelines are planned to be constructed along the proposed access road; See attached List of Facilities for details.

6. Construction:

Date planned to commence construction: 03/01/2011 Size of disturbed area during construction in acres: 3.05
Estimated date that interim reclamation will begin: 09/01/2011 Size of location after interim reclamation in acres: 2.00
Estimated post-construction ground elevation: 5441 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: Onsite if meet Tbl 910

7. Surface Owner:

Name: Antero Resources Corp. Phone: _____
Address: 1625 17th Street, Suite 300 Fax: _____
Address: _____ Email: _____
City: Denver State: CO Zip: 80202 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: 20040071 Gas Facility Surety ID: _____ Waste Mgmt. Surety ID: _____

9. Cultural:

Is the location in a high density area (Rule 603.b.): Yes No
Distance, in feet, to nearest building: 688, public road: 497, above ground utilit: 380
, railroad: 8648, property line: 497

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: 55: Potts loam, 3 to 6 percent slopes
NRCS Map Unit Name: 56: Potts loam, 6 to 12 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: 09/17/2010
List individual species: See attached NRCS Rangeland Productivity and Plant Composition report

Check all plant communities that exist in the disturbed area.

- Disturbed Grassland (Cactus, Yucca, Cheatgrass, Rye)
- Native Grassland (Bluestern, 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: 568 , water well: 595 , depth to ground water: 77
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:

#1 Consultation: This location is in a "Sensitive Wildlife Habitat Area" and is subject to the Wildlife Mitigation Plan that Antero negotiated with CDOW (see attached Proposed BMP List which includes a summary of WMP). #4- The proposed BAT 33D-18-07-95 well location was used as the reference point for well distance measurements. #14 - Depth to ground water determined by using static water level data of nearest active water well shown on the attached Hydrology Map, Permit # 57705-F/Receipt #0491311F. Our reference area is undisturbed ground immediately adjacent and to the northeast of the well pad, as shown in the "North" and "East" location photos.

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

Signed: _____ Date: _____ Email: hknopping@anteroresources.com

Print Name: Hannah Knopping Title: Permit Representative

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: _____

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	Doc Description
400097305	CONST. LAYOUT DRAWINGS	Monument Ridge Construction Layout Drawings.pdf
400097306	HYDROLOGY MAP	Monument Ridge Hydrology Map2.pdf
400097309	LOCATION PICTURES	Monument Ridge Location Pictures.pdf
400101822	NRCS MAP UNIT DESC	Monument Ridge_NRCS Map Unit Description.pdf
400101823	MULTI-WELL PLAN	Monument Ridge Multi Well Plan.pdf
400101871	LOCATION DRAWING	Monument Ridge_Location Drawing.pdf
400102688	ACCESS ROAD MAP	Monument Ridge_Access Road Map.pdf
400102714	EQUIPMENT LIST	Monument Ridge_Facilities List (confirmed).pdf
400102716	PROPOSED BMPs	Antero Mitigation Plan BMP-COA List March 24 Final.pdf
400103314	OTHER	Monument Ridge_NRCS Plant Composition Report.pdf

Total Attach: 10 Files