

**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:

400039706

**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: 10079Name: ANTERO RESOURCES PICEANCE CORPORATIONAddress: 1625 17TH ST STE 300City: DENVER State: CO Zip: 80202**3. Contact Information**Name: Hannah KnoppingPhone: (303) 357-6412Fax: (303) 357-7315email: hknopping@anteroresources.com**4. Location**

## Identification:

Name: Valley Farms J PadNumber: Valley Farms J1County: GARFIELDQuarterQuarter: NWNW Section: 13 Township: 6S Range: 92W Meridian: 6 Ground Elevation: 5537

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: 172 feet, from North or South section line: FNL and 1286 feet, from East or West section line: FWLLatitude: 39.533887 Longitude: -107.620571 PDOP Reading: 1.4 Date of Measurement: 01/19/2010**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="20"/>	Production Pits:	<input type="text"/>	Dehydrator Units:	<input type="text"/>
Condensate Tanks:	<input type="text" value="2"/>	Water Tanks:	<input type="text" value="4"/>	Separators:	<input type="text" value="5"/>	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"/>	Pump Jacks:	<input type="text"/>	Pigging Station:	<input type="text" value="1"/>
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"/>
Gas Compressors:	<input type="text"/>	VOC Combustor:	<input type="text" value="1"/>	Oil Tanks:	<input type="text"/>	Fuel Tanks:	<input type="text"/>		

Other: See Attached List of Facilities for details

## 6. Construction:

Date planned to commence construction: 05/01/2010 Size of disturbed area during construction in acres: 3.30  
Estimated date that interim reclamation will begin: 11/01/2010 Size of location after interim reclamation in acres: 2.00  
Estimated post-construction ground elevation: 5538 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: Garfield Cty landfill

## 7. Surface Owner:

Name: Dixon Water Foundation Phone: \_\_\_\_\_  
Address: c/o Robert Potts Fax: \_\_\_\_\_  
Address: 6060 N Central Expressway Email: \_\_\_\_\_  
City: Dallas State: TX Zip: 75206 Date of Rule 306 surface owner consultation: 02/17/2010  
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 Mgnt. Surety ID: \_\_\_\_\_

## 9. Cultural:

Is the location in a high density area (Rule 603.b.): Yes ☐ No ☒  
Distance, in feet, to nearest building: 675, public road: 800, above ground utilit: 630  
, railroad: 5280, property line: 348

## 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: 55: Potts Loam, 3 to 6 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 (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: 349, water well: 1553, depth to ground water: 36

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:

Since this location is in a SWH area, Antero contacted CDOW prior to submittal of this application to consult with them concerning best management practices. We have implemented the BMP's that they suggested in our attached "Proposed BMP's". The depth to ground water was determined by using static water level data of 2nd nearest water well (Permit#268594). We have attached a riparian map which shows that our proposed well pad is not located in a riparian area.

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: \_\_\_\_\_

**Attachment Check List**

Att Doc Num	Name	Doc Description
400039726	LOCATION PICTURES	VF J Pad_Location Pictures.pdf
400039727	LOCATION DRAWING	VF J Pad_Location Drawing.pdf
400039729	HYDROLOGY MAP	Valley Farms J Pad Hydrology Map.pdf
400039730	ACCESS ROAD MAP	VF J Pad_Access Road Map.pdf
400039731	NRCS MAP UNIT DESC	VF J Pad_NRCS Map Unit Description.pdf
400039732	CONST. LAYOUT DRAWINGS	VF J Pad_Construction Layout Drawing.pdf
400040142	MULTI-WELL PLAN	Valley Farms J Pad Multi Well Plan.pdf
400040229	EQUIPMENT LIST	VF J Pad_List of Facilities.pdf
400042231	PROPOSED BMPs	Valley Farms J Pad Proposed BMPs (final).pdf
400042233	OTHER	Valley Farms J Pad Riparian Map.pdf
400042253	317B NOTIFICATION	VF J Pad_Rule 317B Notifications.pdf

Total Attach: 11 Files