

**FORM
2A**Rev
04/01State 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:

2591593

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:

421197

Expiration Date:

01/19/2014☐ 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: 10210

Name: ANTERO RESOURCES PIPELINE 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: HUNTER MESA COMPRESSOR Number: _____

County: GARFIELD

QuarterQuarter: LOT 3 Section: 30 Township: 6S Range: 92W Meridian: 6 Ground Elevation: 5821

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: 1405 feet FSL, from North or South section line, and 277 feet FWL, from East or West section line.

Latitude: 39.494325 Longitude: -107.713636 PDOP Reading: 1.4 Date of Measurement: 12/14/2010

Instrument Operator's Name: ANTHONY PONTAROLO, SOPRIS ENGINEERING

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"/>	Production Pits: <input type="text"/>	Dehydrator Units: <input type="text" value="2"/>
Condensate Tanks: <input type="text" value="3"/>	Water Tanks: <input type="text"/>	Separators: <input type="text"/>	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"/>	Oil Pipeline: <input type="text"/>	Water Pipeline: <input type="text"/>	Flare: <input type="text" value="1"/>
Gas Compressors: <input type="text" value="5"/>	VOC Combustor: <input type="text"/>	Oil Tanks: <input type="text"/>	Fuel Tanks: <input type="text"/>	

Other: 2 TEG REBOILERS, 1 THERMAL OXIDIZER (NOTES: FACILITY FLARE IS CONTROL DEVICE FOR TANKS ONLY. DEHY UNITS WILL BE 25 MMSCF/DAY TEG UNITS).

6. Construction:

Date planned to commence construction: 02/01/2011 Size of disturbed area during construction in acres: 1.62
Estimated date that interim reclamation will begin: 08/01/2011 Size of location after interim reclamation in acres: 1.37
Estimated post-construction ground elevation: 5828 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: _____

7. Surface Owner:

Name: BJM, LTD Phone: _____
Address: 408 RIFLE COURT Fax: _____
Address: _____ Email: _____
City: BROOMFIELD State: CO Zip: 80020 Date of Rule 306 surface owner consultation: 04/25/2007
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: _____ ☒ Gas Facility Surety ID: 20070006 ☐ 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: 5280, public road: 460, above ground utilit: 60
, railroad: 5280, property line: 277

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: 12/08/2010

List individual species: SAGE BRUSH AND GRASSES. SEE ATTACHED NRCS PLANT COMPOSITION REPORT FOR DETAILS.

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: 50, water well: 5280, depth to ground water: 35

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:

THE REFERENCE AREA IS UNDISTURBED GROUND IMMEDIATELY ADJACENT AND TO THE WEST OF THE PROPOSED GAS FACILITY LOCATION, AS SHOWN IN THE "LOOKING WEST" LOCATION PHOTO. #14: DISTANCE TO NEAREST SURFACE WATER GIVEN IS TO AN INTERMITTENT STREAM (AS SHOWN ON HYDROLOGY MAP). THE DEPTH TO GROUNDWATER WAS DETERMINED BY USING THE STATIC WATER LEVEL DATA OF NEAREST ACTIVE WATER WELL (PERMIT #194520). PLEASE NOTE THAT THIS FORM 2A IS FOR A COMPRESSOR STATION, THEREFORE SEVERAL QUESTIONS THAT PERTAIN TO DRILLING ARE NOT APPLICABLE (I.E. #6 QUESTIONS THAT I INDICATED N/A; #7 MINERAL OWNER).

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

Signed: _____ Date: 12/16/2010 Email: HKNOPPING@ANTERORESOURCES.COM

Print Name: HANNAH KNOPPING Title: PERMITTING

Based on the information provided herein, this Application for Permit-to-Drill complies with COGCC Rules and applicable orders and is hereby approved.

David S. Neslin

COGCC Approved: _____

Director of COGCC

Date: 1/20/2011

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 close proximity to surface water, therefore, operator must ensure secondary containment for any volume of fluids contained at the site during operations; including, but not limited to, construction of a berm or diversion dike, diversion/collection trenches within and/or outside of berms/dikes, site grading, or other comparable measures (i.e., best management practices (BMPs) associated with stormwater management) sufficiently protective of nearby surface water. Any berm constructed at the well pad location will be stabilized, inspected at regular intervals (at least every 14 days), and maintained in good condition.

The area of the facility where fluids will be stored/reused must be constructed to be sufficiently impervious to contain any spilled or released material (per Rule 604.a.(4)).

Berms or other containment devices shall be constructed in compliance with Rule 604.a(4) around crude oil, condensate, and produced water storage tanks.

Use noise reduction equipment on compressors and other production equipment or add sound barriers to limit noise levels at the property boundary where appropriate, economically, and technically feasible.

Operator must implement best management practices to contain any unintentional release of fluids, including any fluids conveyed via temporary or permanent surface pipelines.

Attachment Check List

Att Doc Num	Name
2033584	CORRESPONDENCE
2591593	FORM 2A
2591595	LOCATION DRAWING
2591596	HYDROLOGY MAP
2591598	PROPOSED BMPs
2591599	NRCS MAP UNIT DESC
2591601	CONST. LAYOUT DRAWINGS
2591602	SURFACE AGRMT/SURETY
400117986	ACCESS ROAD MAP
400117987	HYDROLOGY MAP

Total Attach: 10 Files

General Comments

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>
DOW	<p>The BMPs as submitted by the operator are applicable to the site. In addition, Antero and CDOW are in the process of amending an existing, approved Wildlife Mitigation Plan, the amendment will include this compressor site and Antero has</p> <p>agreed to implement the BMPs and COAs of the existing Gravel Trend Wildlife Mitigation Plan, signed March 2010 for this permit.</p> <p>by Michael Warren on Tuesday, January 18, 2011 at 8:50 A.M.</p>	1/18/2011 8:49:14 AM
OGLA	<p>Initiated/Completed OGLA Form 2A review on 01-01-11 by Dave Kubeczko; requested acknowledgement of fluid containment, spill/release BMPs, tank berming, and noise reduction COAs from operator on 01-01-11; received acknowledgement of COAs from operator on 01-10-10; passed by CDOW on 01-18-11 with operator submitted BMPs (with permit application) and soon to be amended WMP acceptable; passed OGLA Form 2A review on 01-18-11 by Dave Kubeczko; fluid containment, spill/release BMPs, tank berming, and noise reduction COAs.</p>	1/1/2011 3:39:23 PM

Total: 2 comment(s)

BMP

<u>Type</u>	<u>Comment</u>

Total: 0 comment(s)