

**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:

1711498

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:

413055☒ 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: WATSON RANCH PAD Number: 24B-17-07-95

County: GARFIELD

QuarterQuarter: SESW Section: 17 Township: 7S Range: 95W Meridian: 6 Ground Elevation: 5563

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: 913 feet, from North or South section line: FSL and 1454 feet, from East or West section line: FWL

Latitude: 39.432958 Longitude: -108.025213 PDOP Reading: 1.8 Date of Measurement: 06/19/2009

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="16"/>	Production Pits: <input type="text"/>	Dehydrator Units: <input type="text"/>
Condensate Tanks: <input type="text" value="2"/>	Water Tanks: <input type="text" value="4"/>	Sparators: <input type="text" value="4"/>	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" value="1"/>	Pump Jacks: <input type="text"/>	Pigging Station: <input type="text"/>
Electric Generators: <input type="text" value="1"/>	Gas Pipeline: <input type="text" value="1"/>	Oil Pipeline: <input type="text" value="1"/>	Water Pipeline: <input type="text" value="2"/>	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" value="1"/>	

Other: WILL ONLY NEED LACT UNIT IF PIPELINE CONDENSATE OUT, OTHERWISE WILL STRAP TANKS AND SELL VIA TRUCK LOADIN. See attached document # 1289021 for complete list.

6. Construction:

Date planned to commence construction: 08/15/2009 Size of disturbed area during construction in acres: 2.91
Estimated date that interim reclamation will begin: 04/15/2010 Size of location after interim reclamation in acres: 1.63
Estimated post-construction ground elevation: 5560 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 COUNTY
LANDFILL

7. Surface Owner:

Name: _____ Phone: _____
Address: _____ Fax: _____
Address: _____ Email: _____
City: _____ State: _____ Zip: _____ Date of Rule 306 surface owner consultation: 06/12/2009
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 executor 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 20040072

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: 661, public road: 780, above ground utilit: 661
, railroad: 9820, property line: 263

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: MAP UNIT SYMBOL 56: POTTS LOAM

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: 06/25/2009

List individual species: SAGE BRUSH AND GRASSES. NRCS plant species shown in attached document #1289022

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: 206, water well: 740, depth to ground water: 120

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:

REFERENCE AREA PHOTOS: 4 PHOTOS WILL BE TAKEN AND PROVIDED TO THE COGCC DURING SUMMER 2009 #1 CONSULTATION: SINCE THIS LOCATION IS IN A "SENSITIVE WILDLIFE HABITAT AREA" ANTERO CONTACTED CDOW PRIOR TO SUBMITTAL OF THIS APD TO CONSULT WITH THEM CONCERNING BEST MANAGEMENT PRACTICE. WE HAVE IMPLEMENTED THE BMP'S THAT THEY SUGGESTED IN OUR PROPOSED BMP'S" SEE ATTACHED. #14 - WATER RESOURCES: WE HAVE ATTACHED A MAP THAT WE RECEIVED FROM CDOW LABELED "CDOW HIGH VALUE RIPARIAN HABITAT", WHICH CONFIRMS THAT OUR 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: 07/16/2009 Email: HKNOPPING@ANTERORESOURCES.COM

Print Name: HANNAH KNOPPING Title: PERMIT REP

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: _____

David S. Neslin

Director of COGCC

Date: 8/19/2009

Attachment Check List

Att Doc Num	Name	Doc Description	Op. Check	File Size
1289020	CORRESPONDENCE	LF@2122177 1289020	Y	
1289021	EQUIPMENT LIST	LF@2122173 1289021	Y	
1289022	NRCS MAP UNIT DESC	LF@2122178 1289022	Y	
1289023	HYDROLOGY MAP	LF@2122175 1289023	Y	
1408985	PROPOSED BMPs	LF@2100454 1408985	Y	
1408986	PROPOSED BMPs	LF@2100456 1408986	Y	
1711486	LOCATION PICTURES	LF@2100452 1711486	Y	
1711487	LOCATION PICTURES	LF@2100450 1711487	Y	
1711488	LOCATION PICTURES	LF@2100448 1711488	Y	
1711489	LOCATION PICTURES	LF@2100446 1711489	Y	
1711490	LOCATION PICTURES	LF@2100444 1711490	Y	
1711491	LOCATION DRAWING	LF@2100427 1711491	Y	
1711492	HYDROLOGY MAP	LF@2100458 1711492	Y	
1711493	ACCESS ROAD MAP	LF@2100462 1711493	Y	
1711494	NRCS MAP UNIT DESC	LF@2100428 1711494	Y	
1711495	CONST. LAYOUT DRAWINGS	LF@2100429 1711495	Y	
1711496	MULTI-WELL PLAN	LF@2100430 1711496	Y	
1711497	PROPOSED BMPs	LF@2100431 1711497	Y	
1711498	FORM 2A	LF@2100426 1711498	Y	
1711517	REFERENCE AREA MAP	LF@2100460 1711517	Y	
1711782	HYDROLOGY MAP	LF@2105069 1711782	Y	
1711783	MULTI-WELL PLAN	LF@2105071 1711783	Y	
1711904	LOCATION DRAWING	LF@2107178 1711904	Y	
1712447	CORRESPONDENCE	LF@2128524 1712447	Y	
1712487	CORRESPONDENCE	LF@2128522 1712487	Y	

Total Attach: 25 Files