

FORM  
2A

Rev  
08/13

# 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:

400661823

Date Received:

## Oil and Gas Location Assessment

New Location     Refile     Amend Existing Location    Location#: 335235

Submit signed original form. This Oil and Gas Location Assessment is to be submitted to the COGCC for approval prior to any ground disturbance activity associated with oil and gas operations. Approval of this Oil and Gas Location 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. Please see the COGCC website at <http://cogcc.state.co.us/> for all accompanying information pertinent this Oil and Gas Location Assessment.

Location ID:

**335235**

Expiration Date:

This location assessment is included as part of a permit application.

### 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.

### Operator

Operator Number: 96850

Name: WPX ENERGY ROCKY MOUNTAIN LLC

Address: 1001 17TH STREET - SUITE #1200

City: DENVER                      State: CO                      Zip: 80202

### Contact Information

Name: Reed Haddock

Phone: (303) 606-4086

Fax: (303) 629-8268

email: reed.haddock@wpxenergy.com

### RECLAMATION FINANCIAL ASSURANCE

Plugging and Abandonment Bond Surety ID: \_\_\_\_\_

Gas Facility Surety ID: \_\_\_\_\_

Waste Management Surety ID: \_\_\_\_\_

### LOCATION IDENTIFICATION

Name: DOE

Number: 2-M-35

County: GARFIELD

Quarter: NWSW Section: 35 Township: 6S Range: 96W Meridian: 6 Ground Elevation: 5445

Define a single point as a location reference for the facility location. When the location is to be used as a well site then the point shall be a well location.

Footage at surface: 2029 feet FSL from North or South section line

768 feet FWL from East or West section line

Latitude: 39.478909                      Longitude: -108.082471

PDOP Reading: 1.4                      Date of Measurement: 07/29/2014

Instrument Operator's Name: J. Kirkpatrick

## RELATED REMOTE LOCATIONS

(Enter as many Related Locations as necessary. Enter the Form 2A document # only if there is no established COGCC Location ID#)

**This proposed Oil and Gas Location is:**

**LOCATION ID #**                      **FORM 2A DOC #**

Well Site is served by Production Facilities

                     400664062

## FACILITIES

Indicate the number of each type of oil and gas facility planned on location

|                      |                   |                     |                   |                      |                   |                 |                   |   |                   |
|----------------------|-------------------|---------------------|-------------------|----------------------|-------------------|-----------------|-------------------|---|-------------------|
| Wells                | <u>14</u>         | Oil Tanks           | <u>          </u> | Condensate Tanks     | <u>6</u>          | Water Tanks     | <u>2</u>          | Buried Produced Water Vaults              | <u>          </u> |
| Drilling Pits        | <u>          </u> | Production Pits     | <u>          </u> | Special Purpose Pits | <u>          </u> | Multi-Well Pits | <u>          </u> | Temporary Large Volume Above Ground Tanks | <u>          </u> |
| Pump Jacks           | <u>          </u> | Separators          | <u>16</u>         | Injection Pumps      | <u>          </u> | Cavity Pumps    | <u>          </u> |   |                   |
| Gas or Diesel Motors | <u>          </u> | Electric Motors     | <u>          </u> | Electric Generators  | <u>          </u> | Fuel Tanks      | <u>          </u> | Gas Compressors                           | <u>          </u> |
| Dehydrator Units     | <u>          </u> | Vapor Recovery Unit | <u>          </u> | VOC Combustor        | <u>1</u>          | Flare           | <u>          </u> | LACT Unit                                 | <u>          </u> |
|                      |                   |                     |                   |                      |                   |                 |                   | Pigging Station                           | <u>          </u> |

## OTHER FACILITIES

**Other Facility Type**

**Number**

| Other Facility Type  | Number               |
|----------------------|----------------------|
| <input type="text"/> | <input type="text"/> |

Per Rule 303.b.(3)C, description of all oil, gas, and/or water pipelines:

1 - 10" temporary steel surface frac line to tie into existng infrastruture.  
1 - 8" gas line to tie into existing 8" gas line.  
1 - 4" produced wtaer line to tie into existing water line.

## CONSTRUCTION

Date planned to commence construction: 11/03/2014 Size of disturbed area during construction in acres: 3.72

Estimated date that interim reclamation will begin: 11/30/2015 Size of location after interim reclamation in acres: 0.58

Estimated post-construction ground elevation: 5445

## DRILLING PROGRAM

Will a closed loop system be used for drilling fluids: Yes

Is H<sub>2</sub>S anticipated? No

Will salt sections be encountered during drilling: No

Will salt based mud (>15,000 ppm Cl) be used? No

Will oil based drilling fluids be used? No

## DRILLING WASTE MANAGEMENT PROGRAM

Drilling Fluids Disposal: OFFSITE Drilling Fluids Disposal Method: Recycle/reuse

Cutting Disposal: ONSITE Cuttings Disposal Method: Other

Other Disposal Description:

Cuttings Management Area.

Beneficial reuse or land application plan submitted?           

Reuse Facility ID:                      or Document Number:                     

Centralized E&P Waste Management Facility ID, if applicable:                     

## SURFACE & MINERALS & RIGHT TO CONSTRUCT

Name: Bureau of Land Management Phone: \_\_\_\_\_  
 Address: 2300 River Frontage Road Fax: \_\_\_\_\_  
 Address: \_\_\_\_\_ Email: \_\_\_\_\_  
 City: Silt State: CO Zip: 81652  
 Surface Owner:  Fee  State  Federal  Indian  
 Check all that apply. The Surface Owner:  is the mineral owner  
 is committed to an oil and Gas Lease  
 has signed the Oil and Gas Lease  
 is the applicant  
 The Mineral Owner beneath this Oil and Gas Location is:  Fee  State  Federal  Indian  
 The Minerals beneath this Oil and Gas Location will be developed from or produced to this Oil and Gas Location: Yes  
 The right to construct this Oil and Gas Location is granted by: oil and gas lease  
 Surface damage assurance if no agreement is in place: \_\_\_\_\_ Surface Surety ID: \_\_\_\_\_  
 Date of Rule 306 surface owner consultation \_\_\_\_\_

**CURRENT AND FUTURE LAND USE**

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

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

## CULTURAL DISTANCE INFORMATION

Distance to nearest:

Building: 1519 Feet  
Building Unit: 1519 Feet  
High Occupancy Building Unit: 5280 Feet  
Designated Outside Activity Area: 5280 Feet  
Public Road: 770 Feet  
Above Ground Utility: 311 Feet  
Railroad: 2112 Feet  
Property Line: 116 Feet

### INSTRUCTIONS:

- All measurements shall be provided from center of nearest Well or edge of nearest Production Facility to nearest of each cultural feature as described in Rule 303.b.(3)A.  
- Enter 5280 for distance greater than 1 mile.  
- Building - nearest building of any type. If nearest Building is a Building Unit, enter same distance for both.  
- Building Unit, High Occupancy Building Unit, and Designated Outside Activity Area - as defined in 100-Series Rules.

## DESIGNATED SETBACK LOCATION INFORMATION

Check all that apply. This location is within a:  Buffer Zone  
 Exception Zone  
 Urban Mitigation Area

- Buffer Zone - as described in Rule 604.a.(2), within 1,000' of a Building Unit.  
- Exception Zone - as described in Rule 604.a.(1), within 500' of a Building Unit.  
- Urban Mitigation Area - as defined in 100-Series Rules.

Pre-application Notifications (required if location is within 1,000 feet of a building unit):

Date of Rule 305.a.(1) Urban Mitigation Area Notification to Local Government: \_\_\_\_\_

Date of Rule 305.a.(2) Buffer Zone Notification to Building Unit Owners: \_\_\_\_\_

## SOIL

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.org/> 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: 47-Nihill channery loam,, 6 to 25 percent slopes

NRCS Map Unit Name: 9-Badland

NRCS Map Unit Name: \_\_\_\_\_

## 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: 06/25/2014

List individual species: Basin big sagebrush, Bottlebrush squirreltail, Cheatgrass, Crested wheatgrass, Fourwing saltbrush, Greasewood

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): \_\_\_\_\_

## WATER RESOURCES

Is this a sensitive area:  No  Yes

Distance to nearest

downgradient surface water feature: 164 Feet

water well: 1906 Feet

Estimated depth to ground water at Oil and Gas Location 100 Feet

Basis for depth to groundwater and sensitive area determination:

See Sensitive Area Determination

Is the location in a riparian area:  No  Yes

Was an Army Corps of Engineers Section 404 permit filed  No  Yes If yes attach permit.

Is the location within a Rule 317B Surface Water Supply Area buffer No 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: \_\_\_\_\_

## GROUNDWATER BASELINE SAMPLING AND MONITORING AND WATER WELL SAMPLING

Water well sampling required per Rule 609

## DESIGNATED SETBACK LOCATION EXCEPTIONS

Check all that apply:

- Rule 604.a.(1)A. Exception Zone (within 500' of Building Unit)
- Rule 604.b.(1)A. Exception Location (existing or approved Oil & Gas Location now within a Designated Setback as a result of Rule 604.a.)
- Rule 604.b.(1)B. Exception Location (existing or approved Oil & Gas Location is within a Designated Setback due to Building Unit construction after Location approval)
- Rule 604.b.(2) Exception Location (SUA or site-specific development plan executed on or before August 1, 2013)
- Rule 604.b.(3) Exception Location (Building Units constructed after August 1, 2013 within setback per an SUA or site-specific development plan)

## RULE 502.b VARIANCE REQUEST

- Rule 502.b. Variance Request from COGCC Rule or Spacing Order Number \_\_\_\_\_

ALL exceptions and variances require attached Request Letter(s). Refer to applicable rule for additional required attachments (e.g. waivers, certifications, SUAs).

## OPERATOR COMMENTS AND SUBMITTAL

Comments

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

Signed: \_\_\_\_\_ Date: \_\_\_\_\_ Email: reed.haddock@wpenergy.com

Print Name: Reed Haddock Title: Regulatory Specialist Sta

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**

**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.**

### **Best Management Practices**

#### **No BMP/COA Type**

#### **Description**

|   |                                |  |
|---|--------------------------------|--|
| 1 | Planning                       | Minimize the number, length, and footprint of oil and gas development roads.<br>Use existing roads where possible.<br>Maximize the use of directional drilling to minimize habitat loss/fragmentation.<br>Maximize use of remote completion/frac operations to minimize traffic.<br>Maximize use of remote telemetry for well monitoring to minimize traffic.                          |
| 2 | Drilling/Completion Operations | Use centralized hydraulic fracturing operations.<br>Conduct well completions with drilling operations to limit the number of rig moves and traffic.  |
| 3 | Interim Reclamation            | WPX Energy will use certified, weed free grass hay, straw, hay or other mulch materials used for the reseeding and reclamation of disturbed areas.<br>Install exclusionary devices to prevent bird and other wildlife access to equipment stacks, vents and openings.<br>Reduce visits to well-sites through remote monitoring (i.e. SCADA) and the use of multi-function contractors. |

Total: 3 comment(s)

## Attachment Check List

| <u>Att Doc Num</u> | <u>Name</u>             |
|--------------------|-------------------------|
| 400669269          | ACCESS ROAD MAP         |
| 400669271          | CONST. LAYOUT DRAWINGS  |
| 400669273          | HYDROLOGY MAP           |
| 400669274          | LOCATION DRAWING        |
| 400669277          | REFERENCE AREA MAP      |
| 400669278          | FACILITY LAYOUT DRAWING |
| 400669280          | OTHER                   |
| 400669281          | SENSITIVE AREA DATA     |
| 400669283          | NRCS MAP UNIT DESC      |
| 400669284          | NRCS MAP UNIT DESC      |
| 400669285          | LOCATION PICTURES       |
| 400669286          | PROPOSED BMPS           |
| 400672201          | MULTI-WELL PLAN         |
| 400672203          | OIL & GAS LEASE         |
| 400672210          | REFERENCE AREA PICTURES |

Total Attach: 15 Files

## General Comments

| <u>User Group</u> | <u>Comment</u> | <u>Comment Date</u> |
|-------------------|----------------|---------------------|
|                   |                |                     |

Total: 0 comment(s)