

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:

400590820

Date Received:

04/29/2014

Oil and Gas Location Assessment

☐ New Location ☐ Refile ☒ Amend Existing Location Location#: 334895

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:

**334895**

Expiration Date:

**07/26/2017**

☐ 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: 20030107 ☐ Gas Facility Surety ID: \_\_\_\_\_  
☐ Waste Management Surety ID: \_\_\_\_\_

LOCATION IDENTIFICATION

Name: GM Cuttings Trench Number: 246-1  
County: GARFIELD  
QuarterQuarter: SENE Section: 1 Township: 7S Range: 96W Meridian: 6 Ground Elevation: 5273  
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: 1528 feet FNL from North or South section line  
484 feet FEL from East or West section line  
Latitude: 39.469856 Longitude: -108.050833  
PDOP Reading: 2.1 Date of Measurement: 08/06/2013  
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 #

## FACILITIES

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

Wells	<u>3</u>	Oil Tanks	<u>      </u>	Condensate Tanks	<u>      </u>	Water Tanks	<u>      </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>3</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>      </u>	Flare	<u>      </u>	LACT Unit	<u>      </u>
								Pigging Station	<u>      </u>

## OTHER FACILITIES

Other Facility Type

Number

Cuttings Trench

1

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

All pipelines are existing.

## CONSTRUCTION

Date planned to commence construction: 08/01/2014 Size of disturbed area during construction in acres: 3.22  
Estimated date that interim reclamation will begin: 08/01/2017 Size of location after interim reclamation in acres: 0.70  
Estimated post-construction ground elevation: 5273

## DRILLING PROGRAM

Will a closed loop system be used for drilling fluids:       

Is H<sub>2</sub>S anticipated?       

Will salt sections be encountered during drilling:       

Will salt based mud (>15,000 ppm Cl) be used?       

Will oil based drilling fluids be used?       

## DRILLING WASTE MANAGEMENT PROGRAM

Drilling Fluids Disposal:        Drilling Fluids Disposal Method:       

Cutting Disposal:        Cuttings Disposal Method:       

Other Disposal Description:

This application request is for a cuttings trench.

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: WPXENERGY

Phone:

Address: 1001 17th Street, Suite 1200

Fax: \_\_\_\_\_

Address: \_\_\_\_\_

Email: \_\_\_\_\_

City: Denver State: CO Zip: 80202

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: applicant is owner

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: 2501 Feet  
Building Unit: 3369 Feet  
High Occupancy Building Unit: 4602 Feet  
Designated Outside Activity Area: 5280 Feet  
Public Road: 3241 Feet  
Above Ground Utility: 971 Feet  
Railroad: 4206 Feet  
Property Line: 269 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 be 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: 66 Torriorthents-Camborthids-Rock Outcrop complex, Steep

NRCS Map Unit Name: 47 Nihill channery loam, 6 to 25 percent slopes

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: 04/25/2014

List individual species: Wyoming sagbrush, Galletagrass, Utah Juniper, Thickspike Wheatgrass, Indian Ricegrass, evening primrose

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: 211 Feet

water well: 4120 Feet

Estimated depth to ground water at Oil and Gas Location 50 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

This request is for a cuttings trench that will accommodate excess cuttings from wells that are drilled on the nearby GM 24-12, MV 28-4, GM 34-14, SG 23-22, GM 442-20, PA 24-6, SG 43-28, and DOE 2-M-35 pads.

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

Signed: \_\_\_\_\_ Date: 04/29/2014 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: 7/27/2014

### **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.**

<b>COA Type</b>	<b>Description</b>
	<p>All materials brought to this location that exceed the requirements in Table 910-1 will be placed in an area of the site that is completely segregated from materials that meet the requirements in Table 910-1. This area must be placed on the cuttings trench/well pad in an area constructed to be sufficiently impervious to contain any spilled or released material and bermed; and appropriate BMPs need to be in place during the entire operational lifetime (no more than three years from date of start of construction. Sufficient stormwater BMPs must be implemented at this location to insure compliance with CDPHE and COGCC requirements and to prevent any stormwater run-on and /or stormwater runoff.</p> <p>The area where cuttings that exceed the requirements of Table 910-1 will be stored/treated/amended must be constructed to be sufficiently impervious to contain any spill or release of material or any accumulations of fluids.</p> <p>The moisture content of any drill cuttings placed in a cuttings pit, trench, or pile shall be as low as practicable to prevent accumulation of liquids greater than de minimis amounts.</p>
	<p>Notify the COGCC 48 hours prior to start of cuttings pad construction, prior to transport of cuttings to this location, placement activities, and closure using Form 42 (the appropriate COGCC individuals will automatically be email notified).</p> <p>Operator must submit a Materials Management Plan (MMP) via a Form 4 Sundry to the COGCC Oil and Gas Location Assessment (OGLA) Specialist for Western Colorado (Dave Kubeczko; email dave.kubeczko@state.co.us) for approval prior to transporting cuttings from other well pads to this location. This Sundry should include a list of all proposed locations where cuttings will be sent from to this cuttings management location. The MMP must describe how the operator intends to comply with Rule 907; in particular, describe the operator's plans for handling the cuttings and bentonite and exceed the requirements of Table 910-1. This plan shall also describe how the operator will profile, track, document placement of each material waste stream from each well/pad.</p>
	<p>Operator must ensure containment at cuttings trench 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.</p> <p>The access road will be constructed as to not allow any sediment to migrate from the access road to nearby surface water or any drainages leading to surface water.</p>

### **Best Management Practices**

<b>No</b>	<b>BMP/COA Type</b>	<b>Description</b>
1	Planning	<p>Use existing roads where possible.</p> <p>Combine and share roads to minimize habitat fragmentation.</p>
2	Interim Reclamation	<p>Use only certified weed-free native seed in seed mixes, except for non-native plants that benefit wildlife.</p> <p>WPX Energy will use certified, weed free grass hay, straw, hay or other mulch materials used for the reseeding and reclamation of disturbed areas.</p>

Total: 2 comment(s)

## **Attachment Check List**

<b><u>Att Doc Num</u></b>	<b><u>Name</u></b>
2106993	CORRESPONDENCE
400590820	FORM 2A SUBMITTED
400597770	NRCS MAP UNIT DESC
400597771	NRCS MAP UNIT DESC
400597772	SENSITIVE AREA DATA
400597773	CONST. LAYOUT DRAWINGS
400597779	LOCATION PICTURES
400597783	REFERENCE AREA PICTURES
400597784	PROPOSED BMPs
400597854	ACCESS ROAD MAP
400597855	CONST. LAYOUT DRAWINGS
400597856	HYDROLOGY MAP
400597857	LOCATION DRAWING
400597858	REFERENCE AREA MAP

Total Attach: 14 Files



## General Comments

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>
Permit	No LGD or public comments. Final Review--passed.	7/26/2014 8:40:42 PM
LGD	pass, gdb	5/19/2014 4:20:32 PM
LGD	pass, gdb	5/15/2014 2:34:24 PM
LGD	pass, gdb	5/15/2014 2:34:24 PM
LGD	pass, gdb	5/15/2014 2:34:22 PM
LGD	pass, gdb	5/15/2014 2:34:18 PM
OGLA	Initiated/Completed OGLA Form 2A review on 05-14-14 by Dave Kubeczko; requested acknowledgement of notification, containment, stormwater BMPs, lined/bermed cuttings treatment areas, pad and access road sediment control, MMP, and cuttings low moisture COAs from operator on 05-14-14; received concurrence of COAs from operator on 05-15-14; passed by CPW on 04-29-14 with BMPs and WMP acceptable; passed OGLA Form 2A review on 05-20-14 by Dave Kubeczko; containment, stormwater BMPs, lined/bermed cuttings treatment areas, pad and access road sediment control, MMP, and cuttings low moisture COAs.	5/14/2014 5:31:44 PM
DOW	This location is within and subject to the WPX-CPW Wildlife Mitigation Plan (North). The BMPs and conditions of approval agreed upon in the development of the Wildlife Mitigation Plan suffice to address wildlife concerns.  Approved:Jim Komatinsky April 29, 2014	4/29/2014 4:44:24 PM
Permit	Passed completeness	4/29/2014 3:11:15 PM

Total: 9 comment(s)